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OW protein - protein search, using sw model

Run on: September 7, 2003, 08:41:08 ; Search time 12.5321 Seconds
(without alignments)
865.534 Million cell updates/sec

Title: US-09-234-208B-1

Perfect score: 79
Sequence: 1 GTHSLPRPAAPVPLRMQP.....VGRGPDPAHVAVNLRYEG 79

Scoring table:

Gapop 60.0 , Gapext 60.0

Searched: 513375 seqs, 137303645 residues

Word size : 0

Total number of hits satisfying chosen parameters: 513375

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Database :

Published Applications_AA:*

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- 15: /cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep:*
- 16: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep:*
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- 18: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	8	10.1	458	US-10-156-761-12570	Sequence 12570, A
2	7	8.9	61	US-09-864-761-44740	Sequence 44740, A
3	7	8.9	215	US-10-001-876-210	Sequence 210, App
4	7	8.9	255	US-10-203-708-45	Sequence 45, App1
5	7	8.9	635	US-10-241-220-85	Sequence 85, App1
6	7	8.9	824	US-09-909-567B-53	Sequence 53, App1
7	7	8.9	880	US-09-893-519A-36	Sequence 36, App1
8	7	8.9	903	US-10-087-464-52	Sequence 52, App1
9	7	8.9	906	US-09-746-491-48	Sequence 48, App1
10	7	8.9	912	US-09-291-417-26	Sequence 26, App1
11	7	8.9	968	US-09-291-417-107	Sequence 107, App1
12	7	8.9	1091	US-09-925-388-7	Sequence 7, App1
13	7	8.9	1096	US-10-128-714-3376	Sequence 3376, App
14	6	7.6	14	US-09-880-748-2555	Sequence 2555, Ap
15	6	7.6	19	US-10-225-567A-1939	Sequence 1939, Ap

16	6	7.6	25	15	US-10-097-065-289	Sequence 289, App
17	6	7.6	30	9	US-09-864-761-45510	Sequence 45510, A
18	6	7.6	30	12	US-10-299-043-11	Sequence 11, App1
19	6	7.6	34	11	US-09-755-109-21	Sequence 21, App1
20	6	7.6	38	9	US-09-864-761-41953	Sequence 41953, A
21	6	7.6	62	11	US-09-764-891-4971	Sequence 4971, Ap
22	6	7.6	68	9	US-09-764-887-426	Sequence 226, App
23	6	7.6	68	15	US-10-073-561-226	Sequence 226, App
24	6	7.6	77	9	US-09-864-761-35919	Sequence 35919, A
25	6	7.6	86	9	US-09-764-869-1118	Sequence 1118, Ap
26	6	7.6	86	15	US-10-091-504-1118	Sequence 1118, Ap
27	6	7.6	93	15	US-09-764-869-798	Sequence 798, App
28	6	7.6	93	15	US-10-091-504-798	Sequence 798, App
29	6	7.6	109	15	US-10-102-806-424	Sequence 424, App
30	6	7.6	114	9	US-09-864-761-38224	Sequence 38224, A
31	6	7.6	129	15	US-10-102-806-531	Sequence 531, App
32	6	7.6	131	10	US-09-771-161A-148	Sequence 148, App
33	6	7.6	147	10	US-09-764-847-828	Sequence 828, App
34	6	7.6	147	15	US-10-092-154-828	Sequence 828, App
35	6	7.6	149	11	US-09-764-891-4267	Sequence 4267, Ap
36	6	7.6	155	15	US-10-106-698-5942	Sequence 5942, App
37	6	7.6	166	16	US-10-174-693-273	Sequence 273, App
38	6	7.6	168	9	US-09-925-301-1470	Sequence 1470, Ap
39	6	7.6	168	10	US-09-738-626-5722	Sequence 5722, Ap
40	6	7.6	200	15	US-10-156-761-11083	Sequence 11083, A
41	6	7.6	217	12	US-09-949-029-54	Sequence 54, App1
42	6	7.6	224	15	US-10-156-761-12887	Sequence 12887, A
43	6	7.6	234	15	US-10-086-156-5	Sequence 5, App1
44	6	7.6	238	14	US-10-024-579-16	Sequence 16, App1
45	6	7.6	241	15	US-10-278-173-78	Sequence 78, App1

ALIGNMENTS

RESULT 1
US-10-156-761-12570
; Sequence 12570, Application US/10156761
; Publication No. US20030119018A1
; GENERAL INFORMATION:
; APPLICANT: OMIURA, SATOSHI
; APPLICANT: IKEDA, HARUO
; APPLICANT: ISHIKAWA, JUN
; APPLICANT: HORIKAWA, HIROSHI
; APPLICANT: SHIBA, TADAYOSHI
; APPLICANT: SAKAKI, YOSHIYUKI
; APPLICANT: HATTORI, MASAHIRA
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
; FILE REFERENCE: 249-262
; CURRENT APPLICATION NUMBER: US/10/156,761
; PRIOR FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: JP 2001-204089
; PRIOR FILING DATE: 2001-05-30
; PRIOR APPLICATION NUMBER: JP 2001-272697
; NUMBER OF SEQ ID NOS: 15109
; SEQ ID NO 12570
; LENGTH: 458
; TYPE: PRT
; ORGANISM: Streptomyces avermitilis
US-10-156-761-12570

Query Match 10.1%; Score 8; DB 15; Length 458;
Best Local Similarity 100.0%; Pred. No. 14;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 42 SLPPLPLS 49
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DB 78 SLPPLPLS 85

RESULT 2
US-09-864-761-44740

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/ Sequence 44740, Application US/09864761
/ Patent No. US20020048763A1
/ GENERAL INFORMATION:
/ APPLICANT: Penn, Sharon G.
/ APPLICANT: Rank, David R.
/ APPLICANT: Hanzel, David K.
/ APPLICANT: Chen, Wensheng
/ TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
/ TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
/ FILE REFERENCE: Aecmca-X-1
/ CURRENT APPLICATION NUMBER: US/09/864,761
/ CURRENT FILING DATE: 2001-05-23
/ PRIOR APPLICATION NUMBER: US 60/180,312
/ PRIOR FILING DATE: 2000-02-04
/ PRIOR APPLICATION NUMBER: US 60/207,456
/ PRIOR FILING DATE: 2000-05-26
/ PRIOR APPLICATION NUMBER: US 09/632,366
/ PRIOR FILING DATE: 2000-08-03
/ PRIOR APPLICATION NUMBER: GB 24263,6
/ PRIOR FILING DATE: 2000-10-04
/ PRIOR APPLICATION NUMBER: US 60/236,359
/ PRIOR FILING DATE: 2000-09-27
/ PRIOR APPLICATION NUMBER: PCT/US01/00666
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00667
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00664
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00669
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00665
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00668
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00663
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00662
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00661
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00670
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: US 60/234,687
/ PRIOR FILING DATE: 2000-09-21
/ PRIOR APPLICATION NUMBER: US 09/608,408
/ PRIOR FILING DATE: 2000-06-30
/ PRIOR APPLICATION NUMBER: US 09/774,203
/ PRIOR FILING DATE: 2001-01-29
/ NUMBER OF SEQ ID NOS: 49117
/ SOFTWARE: Annotmax Sequence Listing Engine vers. 1.1
/ SEQ ID NO 44740
/ LENGTH: 61
/ TYPE: PRT
/ ORGANISM: Homo sapiens
/ FEATURE:
/ OTHER INFORMATION: MAP TO AC016057.3
/ OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.72
/ OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 0.59
/ OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.53
/ OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.52
/ OTHER INFORMATION: SWISSPROT HIT: Q13563, EVALU2, 0.0e+00
/ OTHER INFORMATION: EST_HUMAN HIT: BF570694.1, EVALU4, 0.0e-16
/ US-09-864-761-44740
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Query Match      8.9%; Score 7; DB 9; Length 61;
Best Local Similarity 100.0%; Pred. No. 21;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY      23 AHPVLSF 29
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      37 AHPVLSF 43
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RESULT 3
US-10-001-876-210
/ Sequence 210, Application US/100001876
/ Publication No. US20020177140A1
/ GENERAL INFORMATION:
/ APPLICANT: Salceda, Susana
/ APPLICANT: Macina, Roberto
/ APPLICANT: Recipon, Herve
/ APPLICANT: Cafferkey, Robert
/ APPLICANT: Ali, Shujath
/ APPLICANT: Sun, Yongming
/ APPLICANT: Liu, Chenghua
/ TITLE OF INVENTION: Compositions and Methods Relating to Prostate Specific Genes and
/ FILE REFERENCE: DEX-0285
/ CURRENT APPLICATION NUMBER: US/10/001,876
/ CURRENT FILING DATE: 2001-11-20
/ PRIOR APPLICATION NUMBER: 60/252,166
/ PRIOR FILING DATE: 2000-11-21
/ NUMBER OF SEQ ID NOS: 211
/ SOFTWARE: PatentIn version 3.1
/ SEQ ID NO 210
/ LENGTH: 215
/ TYPE: PRT
/ ORGANISM: Homo sapien
/ US-10-001-876-210

Query Match      8.9%; Score 7; DB 14; Length 215;
Best Local Similarity 100.0%; Pred. No. 64;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY      27 LSFRLPS 33
      |||||
      60 LSFRLPS 66
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RESULT 4
US-10-203-708-45
/ Sequence 45, Application US/10203708
/ Publication No. US20030149238A1
/ GENERAL INFORMATION:
/ APPLICANT: SMITHKLINE BEECHAM CORPORATION
/ APPLICANT: SMITHKLINE BEECHAM P.L.C.
/ TITLE OF INVENTION: NOVEL COMPOUNDS
/ FILE REFERENCE: GP50013
/ CURRENT APPLICATION NUMBER: US/10/203,708
/ CURRENT FILING DATE: 2002-08-13
/ PRIOR APPLICATION NUMBER: PCT/US01/04703
/ PRIOR FILING DATE: 2001-02-14
/ PRIOR APPLICATION NUMBER: 60/182,172
/ PRIOR FILING DATE: 2000-02-14
/ PRIOR APPLICATION NUMBER: 60/186,084
/ PRIOR FILING DATE: 2000-02-29
/ NUMBER OF SEQ ID NOS: 46
/ SOFTWARE: FastSeq for Windows Version 3.0
/ SEQ ID NO 45
/ LENGTH: 255
/ TYPE: PRT
/ ORGANISM: Homo sapiens
/ US-10-203-708-45
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Query Match      8.9%; Score 7; DB 12; Length 255;
Best Local Similarity 100.0%; Pred. No. 75;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY      7 PRPAVP 13
      |||||
      233 PRPAVP 239
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```
RESULT 5
US-10-241-220-85
/ Sequence 85, Application US/10241220
/ Publication No. US20030148408A1
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GENERAL INFORMATION:
APPLICANT: Frantz, Gretchen
APPLICANT: Hillan, Kenneth J.
APPLICANT: Phillips, Heidi
APPLICANT: Polakis, Paul
APPLICANT: Spencer, Susan
APPLICANT: Williams, P. Mickey
APPLICANT: Wu, Thomas
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND
FILE REFERENCE: P5010R1-US
CURRENT APPLICATION NUMBER: US/10/241,220
CURRENT FILING DATE: 2002-12-13
NUMBER OF SEQ ID NOS: 120
SEQ ID NO 85
LENGTH: 635
TYPE: PRT
ORGANISM: Homo Sapien
US-10-241-220-85

Query Match 8.9%; Score 7; DB 12; Length 635;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 46 APLSPTS 52
Db 9 APLSPTS 15

RESULT 6
US-09-909-567B-53
Sequence 53, Application US/09909567B
Publication No. US20030022257A1
GENERAL INFORMATION:
APPLICANT: Macina, Roberto A.
APPLICANT: Nair, Manoj
APPLICANT: Chen, Seiyu
TITLE OF INVENTION: Compositions and Methods Relating to Lung Specific Genes
FILE REFERENCE: DEX-0214
CURRENT APPLICATION NUMBER: US/09/909,567B
CURRENT FILING DATE: 2001-07-20
PRIOR APPLICATION NUMBER: 60/219,834
PRIOR FILING DATE: 2000-07-21
NUMBER OF SEQ ID NOS: 56
SOFTWARE: PatentIn version 3.1
SEQ ID NO 53
LENGTH: 824
TYPE: PRT
ORGANISM: Homo sapien
US-09-909-567B-53

Query Match 8.9%; Score 7; DB 11; Length 824;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 11 AVPVPLR 17
Db 405 AVPVPLR 411

RESULT 7
US-09-893-519A-36
Sequence 36, Application US/09893519A
Publication No. US20030027243A1
GENERAL INFORMATION:
APPLICANT: ANADYS PHARMACEUTICALS, INC.
APPLICANT: THOMPSON, Craig
APPLICANT: MOORE, Jeffrey
APPLICANT: BUDMAN, Ed T.
APPLICANT: BRADLEY, John
APPLICANT: DESILVA, Thameera
APPLICANT: HARRIS, Sandra

APPLICANT: KOMARNITSKY, Svetlana
APPLICANT: MENDILLO, Marc
APPLICANT: MOORE, Daniel
APPLICANT: MCCOY, Melissa
APPLICANT: SANDERSON, Karen
APPLICANT: HAO, Tariq
APPLICANT: ZHU, Shuhao
APPLICANT: LONG, Fan
TITLE OF INVENTION: ANTIFUNGAL COMPOUNDS AND METHODS OF USE
FILE REFERENCE: 0342/1G548-US2
CURRENT APPLICATION NUMBER: US/09/893,519A
CURRENT FILING DATE: 2001-06-28
PRIOR APPLICATION NUMBER: US 60/215,164
PRIOR FILING DATE: 2000-06-29
PRIOR APPLICATION NUMBER: US 60/224,457
PRIOR FILING DATE: 2000-08-10
NUMBER OF SEQ ID NOS: 146
SOFTWARE: PatentIn version 3.1
SEQ ID NO 36
LENGTH: 880
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
OTHER INFORMATION: Corresponds to SEQ ID NO: 109
PUBLICATION INFORMATION:
DATABASE ACCESSION NUMBER: Human Genbank/AA039727
DATABASE ENTRY DATE: 1998-05-06
RELEVANT RESIDUES: (1)..(880)
US-09-893-519A-36

Query Match 8.9%; Score 7; DB 11; Length 880;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 24 HPVLSFL 30
Db 424 HPVLSFL 430

RESULT 8
US-10-087-464-52
Sequence 52, Application US/10087464
Publication No. US20030059435A1
GENERAL INFORMATION:
APPLICANT: Chishtil, Athar
APPLICANT: Oh, Steven
APPLICANT: Liu, David
APPLICANT: Goel, Vikas
APPLICANT: Li, Xuerong
TITLE OF INVENTION: Band 3 Antigenic Peptides, Malaria Polypeptides and Uses Thereof
FILE REFERENCE: S1237/77019
CURRENT APPLICATION NUMBER: US/10/087,464
CURRENT FILING DATE: 2002-03-01
PRIOR APPLICATION NUMBER: US 06/272,930
PRIOR FILING DATE: 2001-03-02
NUMBER OF SEQ ID NOS: 59
SOFTWARE: PatentIn version 3.0
SEQ ID NO 52
LENGTH: 903
TYPE: PRT
ORGANISM: Plasmodium falciparum
US-10-087-464-52

Query Match 8.9%; Score 7; DB 15; Length 903;
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 54 PISPVSV 60
Db 375 PISPVSV 381

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RESULT 9
US-09-746-491-48
; Sequence 48, Application US/09746491
; Patent No. US20020137202A1
; GENERAL INFORMATION:
; APPLICANT: Burgess, Catherine E.
; TITLE OF INVENTION: No. US20020137202A1 Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 15966-621
; CURRENT APPLICATION NUMBER: US/09/746,491
; CURRENT FILING DATE: 2000-12-20
; PRIOR APPLICATION NUMBER: USSN 60/171,329
; PRIOR FILING DATE: 1999-12-21
; NUMBER OF SEQ ID NOS: 72
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 48
; LENGTH: 906
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-746-491-48

Query Match      8.9%; Score 7; DB 10; Length 906;
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY      70 VAVNLNR 76
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DB      117 VAVNLNR 123

RESULT 10
US-09-291-417-26
; Sequence 26, Application US/09291417A
; Publication No. US20030050230A1
; GENERAL INFORMATION:
; APPLICANT: PLOWMAN, GREGORY
; APPLICANT: MARTINEZ, RICARDO
; APPLICANT: WHYTE, DAVID
; TITLE OF INVENTION: STE20-RELATED PROTEIN KINASES
; FILE REFERENCE: 240/300
; CURRENT APPLICATION NUMBER: US/09/291,417A
; CURRENT FILING DATE: 1999-04-13
; EARLIER APPLICATION NUMBER: US 60/081,784
; EARLIER FILING DATE: 1998-04-14
; NUMBER OF SEQ ID NOS: 147
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 26
; LENGTH: 912
; TYPE: PRT
; ORGANISM: Mammalian (Human) GEK2
US-09-291-417-26

Query Match      8.9%; Score 7; DB 11; Length 912;
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY      11 AVVPPLR 17
      |||||
DB      405 AVVPPLR 411

RESULT 11
US-09-291-417-107
; Sequence 107, Application US/09291417A
; Publication No. US20030050230A1
; GENERAL INFORMATION:
; APPLICANT: PLOWMAN, GREGORY
; APPLICANT: MARTINEZ, RICARDO
; APPLICANT: WHYTE, DAVID
; TITLE OF INVENTION: STE20-RELATED PROTEIN KINASES
; FILE REFERENCE: 240/300
; CURRENT APPLICATION NUMBER: US/09/291,417A
; CURRENT FILING DATE: 1999-04-13
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; EARLIER APPLICATION NUMBER: US 60/081,784
; EARLIER FILING DATE: 1998-04-14
; NUMBER OF SEQ ID NOS: 147
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 107
; LENGTH: 968
; TYPE: PRT
; ORGANISM: Full Length Mammalian (Human) GEK2
US-09-291-417-107

Query Match      8.9%; Score 7; DB 11; Length 968;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY      11 AVVPPLR 17
      |||||
DB      405 AVVPPLR 411

RESULT 12
US-09-925-388-7
; Sequence 7, Application US/09925388
; Publication No. US20030054523A1
; GENERAL INFORMATION:
; APPLICANT: HOSHINO, Tatsuo
; APPLICANT: OJIMA, Kazuyuki
; APPLICANT: SETOGUCHI, Yutaka
; TITLE OF INVENTION: ISOPRENOID PRODUCTION
; FILE REFERENCE: ISOPRENOID PRODUCTION
; CURRENT APPLICATION NUMBER: US/09/925,388
; CURRENT FILING DATE: 2001-08-09
; PRIOR APPLICATION NUMBER: 09/306,595
; PRIOR FILING DATE: 1999-05-06
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 7
; LENGTH: 1091
; TYPE: PRT
; ORGANISM: Phaffia rhodozyma
US-09-925-388-7

Query Match      8.9%; Score 7; DB 11; Length 1091;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY      54 PISPVSV 60
      |||||
DB      506 PISPVSV 512

RESULT 13
US-10-128-714-3376
; Sequence 3376, Application US/10128714
; Publication No. US20030119013A1
; GENERAL INFORMATION:
; APPLICANT: Jiang, Bo
; APPLICANT: Hu, Mengqi
; APPLICANT: Tishkoff, Daniel
; APPLICANT: Zamudio, Carlos
; APPLICANT: Ereshkin, Alexey M
; APPLICANT: Lemieux, Sebastien M
; TITLE OF INVENTION: Identification of Essential Genes in Aspergillus fumigatus and
; FILE REFERENCE: 10182-018-999
; CURRENT APPLICATION NUMBER: US/10/128,714
; CURRENT FILING DATE: 2002-04-23
; PRIOR APPLICATION NUMBER: US 60/285,697
; PRIOR FILING DATE: 2001-04-23
; PRIOR APPLICATION NUMBER: US 60/287,066
; PRIOR FILING DATE: 2001-04-27
; PRIOR APPLICATION NUMBER: US 60/295,890
; PRIOR FILING DATE: 2001-06-05
; PRIOR APPLICATION NUMBER: US 60/303,899
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; PRIOR FILING DATE: 2001-07-09
; PRIOR APPLICATION NUMBER: US 60/316,362
; PRIOR FILING DATE: 2001-08-31
; NUMBER OF SEQ ID NOS: 8603
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO: 3376
; LENGTH: 1096
; TYPE: PRT
; ORGANISM: Aspergillus fumigatus
US-10-128-714-3376

Query Match 8.9%; Score 7; DB 15; Length 1096;
Best Local Similarity 100.0%; Pred.No. 2.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 43 LPLAPLS 49
Db 795 LPLAPLS 801

RESULT 14
US-09-880-748-2555
; Sequence 2555, Application US/09880748
; Publication No. US20030059937A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
; FILE REFERENCE: PF523
; CURRENT APPLICATION NUMBER: US/09/880,748
; CURRENT FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/212,210
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; NUMBER OF SEQ ID NOS: 3239
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO: 2555
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-880-748-2555

Query Match 7.6%; Score 6; DB 11; Length 14;
Best Local Similarity 100.0%; Pred.No. 52;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 44 PLAPLS 49
Db 8 PLAPLS 13

RESULT 15
US-10-225-567A-1939
; Sequence 1939, Application US/10225567A
; Publication No. US20030113798A1
; GENERAL INFORMATION:
; APPLICANT: LifeSpan Biosciences
; APPLICANT: Brown, Joseph P.
; APPLICANT: Burner, Glenna C.
; APPLICANT: Roush, Christine L.
; TITLE OF INVENTION: ANTIGENIC PEPTIDES AND ANTIBODIES FOR G PROTEIN-COUPLED RECEPTORS
; FILE REFERENCE: 1920-4-4
; CURRENT APPLICATION NUMBER: US/10/225,567A
; CURRENT FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 60/257,144
; PRIOR FILING DATE: 2000-12-19
; NUMBER OF SEQ ID NOS: 2292

; SOFTWARE: PatentIn version 3.1
; SEQ ID NO: 1939
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-225-567A-1939

Query Match 7.6%; Score 6; DB 15; Length 19;
Best Local Similarity 100.0%; Pred.No. 68;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 20 PGPAHP 25
Db 9 PGPAHP 14

Search completed: September 7, 2003, 09:06:25
Job time : 13.5321 secs

GenCore version 5.1.6
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OM protein - protein search, using SW model

Run on: September 7, 2003, 08:41:03 ; Search time 8.249 seconds
(without alignments)
405.208 Million cell updates/sec

Title: US-09-234-208B-1

Perfect score: 79

Sequence: 1 GTHSLPPRAVPVPLRMQF.....VGRGPDPAHVAVNLRYEG 79

Scoring table: OLIGO

Searched: 328717 seqs, 42310858 residues

Word size: 0

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Listing first 45 summaries

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	79	100.0	79	US-09-630-155-1	Sequence 1, Appli
2	79	100.0	419	US-09-630-155-2	Sequence 2, Appli
3	7	8.9	162	US-09-252-991A-19744	Sequence 19744, A
4	7	8.9	195	US-09-252-991A-29314	Sequence 29314, A
5	7	8.9	306	US-09-252-991A-23169	Sequence 23169, A
6	7	8.9	328	US-09-300-672-2	Sequence 2, Appli
7	7	8.9	487	US-09-252-991A-29392	Sequence 29392, A
8	7	8.9	550	US-09-252-991A-19086	Sequence 19086, A
9	7	8.9	597	US-09-252-991A-24252	Sequence 24252, A
10	7	8.9	635	US-09-014-969-11	Sequence 11, Appli
11	7	8.9	1091	US-09-306-595C-7	Sequence 7, Appli
12	7	8.9	1091	US-09-925-388-7	Sequence 146, Appl
13	6	7.6	12	US-08-811-492-146	Sequence 49, Appl
14	6	7.6	15	US-08-036-555B-49	Sequence 49, Appl
15	6	7.6	15	US-08-469-569-49	Sequence 49, Appl
16	6	7.6	15	US-08-249-322A-49	Sequence 49, Appl
17	6	7.6	15	US-08-469-526A-49	Sequence 49, Appl
18	6	7.6	15	US-08-734-591A-49	Sequence 49, Appl
19	6	7.6	15	US-08-469-660-49	Sequence 49, Appl
20	6	7.6	15	US-08-341-018-82	Sequence 82, Appl
21	6	7.6	15	US-08-470-335-49	Sequence 49, Appl
22	6	7.6	15	US-08-735-021-49	Sequence 49, Appl
23	6	7.6	15	US-08-734-664A-49	Sequence 49, Appl
24	6	7.6	15	US-08-470-339-49	Sequence 49, Appl
25	6	7.6	15	US-08-467-602-49	Sequence 49, Appl
26	6	7.6	15	PCT-US94-05083C-46	Sequence 46, Appl
27	6	7.6	15	PCT-US95-06846A-49	Sequence 49, Appl

28	6	7.6	16	US-08-036-555B-37	Sequence 37, Appl
29	6	7.6	16	US-08-469-569-37	Sequence 37, Appl
30	6	7.6	16	US-08-249-322A-37	Sequence 37, Appl
31	6	7.6	16	US-08-469-526A-37	Sequence 37, Appl
32	6	7.6	16	US-08-734-591A-37	Sequence 37, Appl
33	6	7.6	16	US-08-469-660-37	Sequence 37, Appl
34	6	7.6	16	US-08-470-335-37	Sequence 37, Appl
35	6	7.6	16	US-08-735-021-37	Sequence 37, Appl
36	6	7.6	16	US-08-734-664A-37	Sequence 37, Appl
37	6	7.6	16	US-08-470-339-37	Sequence 37, Appl
38	6	7.6	16	US-08-467-602-37	Sequence 37, Appl
39	6	7.6	16	PCT-US94-05083C-37	Sequence 37, Appl
40	6	7.6	16	PCT-US95-06846A-37	Sequence 37, Appl
41	6	7.6	30	US-09-537-226-11	Sequence 11, Appl
42	6	7.6	34	US-08-118-270-81	Sequence 81, Appl
43	6	7.6	34	US-08-085-122-11	Sequence 11, Appl
44	6	7.6	34	US-08-319-052-21	Sequence 21, Appl
45	6	7.6	34	US-08-442-108B-21	Sequence 21, Appl

ALIGNMENTS

```
RESULT 1
US-09-630-155-1
; Sequence 1, Application US/09630155
; Patent No. 6414130
GENERAL INFORMATION:
APPLICANT: Doherty, Joni Kristin and Gail M. Clinton
TITLE OF INVENTION: HER-2 BINDING ANTAGONISTS
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESS: DAVIS WRIGHT TREMAINE LLP
STREET: 1501 Pouch Avenue, 2600 Century Square
CITY: Seattle
STATE: Washington
COUNTRY: U.S.A.
ZIP: 98101
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: PC compatible
OPERATING SYSTEM: windows95
SOFTWARE: Word
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/630,155
FILING DATE: 16-Jan-2001
CLASSIFICATION: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Davison, Barry L.
REGISTRATION NUMBER: 47,309
REFERENCE/DOCKET NUMBER: 49321-10
TELECOMMUNICATION INFORMATION:
TELEPHONE: 206 628-7621
TELEFAX: 206 628-7699
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 79
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: unknown
MOLECULE TYPE: HER-2 ECD antagonist
SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-630-155-1
Query Match 100.0%; Score 79; DB 4; Length 79;
Best Local Similarity 100.0%; Pred. No. 2.8e-69;
Matches 79; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GTHSLPPRAVPVPLRMQFAPVLSFLRPSMDVSAFYSLPLAPISPTSPVSV 60
Db 1 GTHSLPPRAVPVPLRMQFAPVLSFLRPSMDVSAFYSLPLAPISPTSPVSV 60
QY 61 GRGPDPAHVAVNLRYEG 79
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Db 61 GRGPPDAHVAVNLRYEG 79

RESULT 2
US-09-630-155-2

Sequence 2, Application US/09630155

Patent No. 6414130

GENERAL INFORMATION:

APPLICANT: Doherty, Joni Kristin and Gail M. Clinton

TITLE OF INVENTION: HER-2 BINDING ANTAGONISTS

NUMBER OF SEQUENCES: 9

CORRESPONDENCE ADDRESS:

ADDRESSEE: DAVIS WRIGHT TREMAINE LLP

STREET: 1501 Fourth Avenue, 2600 Century Square

CITY: Seattle

STATE: Washington

COUNTRY: U.S.A.

ZIP: 98101

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: PC compatible

OPERATING SYSTEM: Windows95

SOFTWARE: Word

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/630,155

FILING DATE: 16-Jan-2001

CLASSIFICATION: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: Davison, Barry L.

REGISTRATION NUMBER: 47,309

REFERENCE/DOCKET NUMBER: 49321-10

TELECOMMUNICATION INFORMATION:

TELEPHONE: 206 628-7621

TELEFAX: 206 628-7699

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 419

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: unknown

MOLECULE TYPE: polypeptide

SEQUENCE DESCRIPTION: SEQ ID NO: 2:

US-09-630-155-2

Query Match 100.0%; Score 79; DB 4; Length 419;

Best Local Similarity 100.0%; Pred. No. 1.2e-68;

Matches 79; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTHSLPRPAVPVPLRMQPGAHVPLSLRPSWDVSAFYSLPLAPLSPTSPVSPVSV 60

Db 341 GTHSLPRPAVPVPLRMQPGAHVPLSLRPSWDVSAFYSLPLAPLSPTSPVSPVSV 400

QY 61 GRGPPDAHVAVNLRYEG 79

Db 401 GRGPPDAHVAVNLRYEG 419

RESULT 3

US-09-252-991A-19744

Sequence 19744, Application US/09252991A

Patent No. 6551795

GENERAL INFORMATION:

APPLICANT: Marc J. Rubenfield et al.

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS

FILE REFERENCE: 107196.136

CURRENT APPLICATION NUMBER: US/09/252,991A

CURRENT FILING DATE: 1999-02-18

PRIOR FILING DATE: 1998-02-18

PRIOR APPLICATION NUMBER: US 60/094,190

PRIOR FILING DATE: 1998-07-27

PRIOR APPLICATION NUMBER: US 60/094,190

PRIOR FILING DATE: 1998-07-27

PRIOR APPLICATION NUMBER: US 60/094,190

PRIOR FILING DATE: 1998-07-27

PRIOR APPLICATION NUMBER: US 60/094,190

PRIOR FILING DATE: 1998-07-27

PRIOR APPLICATION NUMBER: US 60/094,190

PRIOR FILING DATE: 1998-07-27

PRIOR APPLICATION NUMBER: US 60/094,190

PRIOR FILING DATE: 1998-07-27

PRIOR APPLICATION NUMBER: US 60/094,190

PRIOR FILING DATE: 1998-07-27

PRIOR APPLICATION NUMBER: US 60/094,190

PRIOR FILING DATE: 1998-07-27

PRIOR APPLICATION NUMBER: US 60/094,190

PRIOR FILING DATE: 1998-07-27

PRIOR APPLICATION NUMBER: US 60/094,190

PRIOR FILING DATE: 1998-07-27

PRIOR APPLICATION NUMBER: US 60/094,190

PRIOR FILING DATE: 1998-07-27

NUMBER OF SEQ ID NOS: 33142

SEQ ID NO 19744

LENGTH: 162

TYPE: PRT

ORGANISM: Pseudomonas aeruginosa

US-09-252-991A-19744

Query Match 8.9%; Score 7; DB 4; Length 162;

Best Local Similarity 100.0%; Pred. No. 20;

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 7 PRPAVP 13

Db 11 PRPAVP 17

RESULT 4

US-09-252-991A-29314

Sequence 29314, Application US/09252991A

Patent No. 6551795

GENERAL INFORMATION:

APPLICANT: Marc J. Rubenfield et al.

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS

FILE REFERENCE: 107196.136

CURRENT APPLICATION NUMBER: US/09/252,991A

CURRENT FILING DATE: 1999-02-18

PRIOR FILING DATE: 1998-02-18

PRIOR APPLICATION NUMBER: US 60/094,190

PRIOR FILING DATE: 1998-07-27

NUMBER OF SEQ ID NOS: 33142

SEQ ID NO 29314

LENGTH: 195

TYPE: PRT

ORGANISM: Pseudomonas aeruginosa

US-09-252-991A-29314

Query Match 8.9%; Score 7; DB 4; Length 195;

Best Local Similarity 100.0%; Pred. No. 23;

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 7 PRPAVP 13

Db 25 PRPAVP 31

RESULT 5

US-09-252-991A-23169

Sequence 23169, Application US/09252991A

Patent No. 6551795

GENERAL INFORMATION:

APPLICANT: Marc J. Rubenfield et al.

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS

FILE REFERENCE: 107196.136

CURRENT APPLICATION NUMBER: US/09/252,991A

CURRENT FILING DATE: 1999-02-18

PRIOR FILING DATE: 1998-02-18

PRIOR APPLICATION NUMBER: US 60/094,190

PRIOR FILING DATE: 1998-07-27

NUMBER OF SEQ ID NOS: 33142

SEQ ID NO 23169

LENGTH: 306

TYPE: PRT

ORGANISM: Pseudomonas aeruginosa

US-09-252-991A-23169

Query Match 8.9%; Score 7; DB 4; Length 306;

Best Local Similarity 100.0%; Pred. No. 34;

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 7 PRPAVP 13

Db 25 PRPAVP 31

RESULT 5

US-09-252-991A-23169

Sequence 23169, Application US/09252991A

Patent No. 6551795

GENERAL INFORMATION:

APPLICANT: Marc J. Rubenfield et al.

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS

FILE REFERENCE: 107196.136

CURRENT APPLICATION NUMBER: US/09/252,991A

CURRENT FILING DATE: 1999-02-18

PRIOR FILING DATE: 1998-02-18

PRIOR APPLICATION NUMBER: US 60/094,190

PRIOR FILING DATE: 1998-07-27

NUMBER OF SEQ ID NOS: 33142

SEQ ID NO 23169

LENGTH: 306

TYPE: PRT

ORGANISM: Pseudomonas aeruginosa

US-09-252-991A-23169

Qy 49 SPTSVP1 55
Db 86 SPTSVP1 92

RESULT 6

US-09-300-672-2
; Sequence 2, Application US/09300672
; Patent No. 6248937
; GENERAL INFORMATION:
; APPLICANT: Finkelshtein, Ruth R.
; APPLICANT: Lynch, Tim
; APPLICANT: Goodman, Howard M.
; APPLICANT: Wang, Ming-Li
; TITLE OF INVENTION: A TRANSCRIPTION FACTOR REGULATING SEED DEVELOPMENT,
; FILE REFERENCE: 480.89(HV)
; CURRENT APPLICATION NUMBER: US/09/300,672
; CURRENT FILING DATE: 1999-04-27
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 2
; LENGTH: 328
; TYPE: PRT
; ORGANISM: Arabidopsis
US-09-300-672-2

Query Match 8.9%; Score 7; DB 3; Length 328;
Best Local Similarity 100.0%; Pred. No. 37;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 5 LLPRPA 11
Db 144 LLPRPA 150

RESULT 7

US-09-252-991A-29392
; Sequence 29392, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 29392
; LENGTH: 487
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-29392

Query Match 8.9%; Score 7; DB 4; Length 487;
Best Local Similarity 100.0%; Pred. No. 52;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 6 LLPRPAV 12
Db 141 LLPRPAV 147

RESULT 8

US-09-252-991A-19086
; Sequence 19086, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.

; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 19086
; LENGTH: 550
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-19086

Query Match 8.9%; Score 7; DB 4; Length 550;
Best Local Similarity 100.0%; Pred. No. 58;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 5 LLPRPA 11
Db 32 LLPRPA 38

RESULT 9

US-09-252-991A-24252
; Sequence 24252, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 24252
; LENGTH: 597
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-24252

Query Match 8.9%; Score 7; DB 4; Length 597;
Best Local Similarity 100.0%; Pred. No. 62;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 5 LLPRPA 11
Db 387 LLPRPA 393

RESULT 10

US-09-014-969-11
; Sequence 11, Application US/09014969
; Patent No. 5965397
; GENERAL INFORMATION:
; APPLICANT: McCoy, John M.
; APPLICANT: Lavalie, Edward R.
; APPLICANT: Racie, Lisa A.
; APPLICANT: Werberg, David
; APPLICANT: Treacy, Maurice
; APPLICANT: Spaulding, Vikki
; APPLICANT: Agostino, Michael J.
; TITLE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES
; NUMBER OF SEQUENCES: 32
; CORRESPONDENCE ADDRESS:

ADDRESSEE: Genetics Institute, Inc.
STREET: 87 Cambridgepark Drive
CITY: Cambridge
STATE: MA
COUNTRY: U.S.A.
ZIP: 02140
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/014,969
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Sprunger, Suzanne A.
REGISTRATION NUMBER: 41,323
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 498-8284
TELEFAX: (617) 876-5851
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 635 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-014-969-11

Query Match 8.9%; Score 7; DB 2; Length 635;
Best Local Similarity 100.0%; Pred.No. 66;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 46 APLSPTS 52
DB 9 APLSPTS 15

RESULT 11
US-09-306-595C-7
Sequence 7, Application US/09306595C
Patent No. 6284506
GENERAL INFORMATION:
APPLICANT: HOSHINO, Tatsuo
APPLICANT: OJIMA, Kazuyuki
APPLICANT: SETOGUCHI, Yutaka
TITLE OF INVENTION: ISOPRENOID PRODUCTION
FILE REFERENCE: ISOPRENOID PRODUCTION
CURRENT APPLICATION NUMBER: US/09/306,595C
CURRENT FILING DATE: 1999-05-06
PRIOR APPLICATION NUMBER: 98108210
PRIOR FILING DATE: 1998-05-06
NUMBER OF SEQ ID NOS: 43
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 7
LENGTH: 1091
TYPE: PRT
ORGANISM: Phaffia rhodozyma
US-09-306-595C-7

Query Match 8.9%; Score 7; DB 3; Length 1091;
Best Local Similarity 100.0%; Pred.No. 1,1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 54 PISPVSV 60
DB 506 PISPVSV 512

RESULT 12
US-09-925-388-7
Sequence 7, Application US/09925388

Patent No. 6586202
GENERAL INFORMATION:
APPLICANT: HOSHINO, Tatsuo
APPLICANT: OJIMA, Kazuyuki
APPLICANT: SETOGUCHI, Yutaka
TITLE OF INVENTION: ISOPRENOID PRODUCTION
FILE REFERENCE: ISOPRENOID PRODUCTION
CURRENT APPLICATION NUMBER: US/09/925,388
CURRENT FILING DATE: 2001-08-09
PRIOR APPLICATION NUMBER: 09/306,595
PRIOR FILING DATE: 1999-05-06
NUMBER OF SEQ ID NOS: 43
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 7
LENGTH: 1091
TYPE: PRT
ORGANISM: Phaffia rhodozyma
US-09-925-388-7

Query Match 8.9%; Score 7; DB 4; Length 1091;
Best Local Similarity 100.0%; Pred.No. 1,1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 54 PISPVSV 60
DB 506 PISPVSV 512

RESULT 13
US-08-811-492-146
Sequence 146, Application US/08811492
Patent No. 5834247
GENERAL INFORMATION:
APPLICANT: COMB, DONALD G.
APPLICANT: BERLER, FRANCINE B.
APPLICANT: JACK, WILLIAM B.
APPLICANT: XU, MING-QUN
APPLICANT: HODGES, ROBERT A.
APPLICANT: NOREN, CHRISTOPHER J.
APPLICANT: CHONG, SHAO-RONG S.C.
APPLICANT: ADAM, ERIC
APPLICANT: SOUTHWORTH, MAURICE
TITLE OF INVENTION: MODIFIED PROTEINS, METHODS OF THEIR
TITLE OF INVENTION: PRODUCTION AND METHODS FOR PURIFICATION OF TARGET
TITLE OF INVENTION: PROTEINS
NUMBER OF SEQUENCES: 155
CORRESPONDENCE ADDRESS:
ADDRESSEE: GREGORY D. WILLIAMS, NEW ENGLAND BIOLABS, INC.
STREET: 32 TOZER ROAD
CITY: BEVERLY
STATE: MASSACHUSETTS
COUNTRY: USA
ZIP: 01915
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC\ DOS\MS\ DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/811,492
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/580,555
FILING DATE: 29-DEC-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/496,247
FILING DATE: 28-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/146,885
FILING DATE: 03-NOV-1993

CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/004,139
FILING DATE: 09-DEC-1992
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Williams, Gregory D
REGISTRATION NUMBER: 30901
REFERENCE/DOCKET NUMBER: NEB-036C4
TELECOMMUNICATION INFORMATION:
TELEPHONE: 508-927-5054
TELEFAX: 509-927-1705
TELEX:
INFORMATION FOR SEQ ID NO: 146:
SEQUENCE CHARACTERISTICS:
LENGTH: 12 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-811-492-146

Query Match 7.6%; Score 6; DB 2; Length 12;
Best Local Similarity 100.0%; Pred. No. 18;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 45 LAPLSP 50
|||||
Db 7 LAPLSP 12

RESULT 14
US-08-036-555B-49
Sequence 49, Application US/08036555B
Patent No. 5531019
GENERAL INFORMATION:
APPLICANT: Goodearl, Andrew; Stroobant, Paul;
APPLICANT: Minghetti, Luisa; Waterfield, Michael; Marchionni, Mark;
APPLICANT: Chen, Miao Su; Hiles, Ian
TITLE OF INVENTION: Glial Mitogenic Factors, Their
TITLE OF INVENTION: Preparation and Use
NUMBER OF SEQUENCES: 184
CORRESPONDENCE ADDRESS:
ADDRESSEE: Felfe & Lynch
STREET: 805 Third Avenue
CITY: New York City
STATE: New York
COUNTRY: USA
ZIP: 10022
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch, 360 kb storage
COMPUTER: IBM
OPERATING SYSTEM: PC-DOS
SOFTWARE: Wordperfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/036,555B
FILING DATE: 24-MAR-1993
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/965,173
FILING DATE: 23-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/940,389
FILING DATE: 03-SEP-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/907,138
FILING DATE: 30-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/863,703
FILING DATE: 03-APRIL-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: U.K. 91 07566.3
FILING DATE: 10-APRIL-1991

ATTORNEY/AGENT INFORMATION:
NAME: Tsai, Christine H.
REGISTRATION NUMBER: 34,266
REFERENCE/DOCKET NUMBER: LUD 5250.4
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 688-9200
TELEFAX: (212) 838-3884
INFORMATION FOR SEQ ID NO: 49:
SEQUENCE CHARACTERISTICS:
LENGTH: 15
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
US-08-036-555B-49

Query Match 7.6%; Score 6; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 22;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 56 SPVSVG 61
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Db 2 SPVSVG 7

RESULT 15
US-08-469-569-49
Sequence 49, Application US/08469569
Patent No. 5606032
GENERAL INFORMATION:
APPLICANT: Goodearl, Andrew; Stroobant, Paul;
APPLICANT: Minghetti, Luisa; Waterfield, Michael; Marchionni, Mark;
APPLICANT: Chen, Miao Su; Hiles, Ian
TITLE OF INVENTION: Glial Mitogenic Factors, Their
TITLE OF INVENTION: Preparation and Use
NUMBER OF SEQUENCES: 184
CORRESPONDENCE ADDRESS:
ADDRESSEE: Felfe & Lynch
STREET: 805 Third Avenue
CITY: New York City
STATE: New York
COUNTRY: USA
ZIP: 10022
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch, 360 kb storage
COMPUTER: IBM
OPERATING SYSTEM: PC-DOS
SOFTWARE: Wordperfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/469,569
FILING DATE: 06-JUN-1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/036,555
FILING DATE: 24-MAR-1993
APPLICATION NUMBER: 07/965,173
FILING DATE: 23-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/940,389
FILING DATE: 03-SEP-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/907,138
FILING DATE: 30-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/863,703
FILING DATE: 03-APRIL-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: U.K. 91 07566.3
FILING DATE: 10-APRIL-1991
ATTORNEY/AGENT INFORMATION:
NAME: Tsai, Christine H.
REGISTRATION NUMBER: 34,266
REFERENCE/DOCKET NUMBER: LUD 5250.4
TELECOMMUNICATION INFORMATION:

TELEPHONE: (212) 688-9200
TELEFAX: (212) 838-3884
INFORMATION FOR SEQ ID NO: 49:
SEQUENCE CHARACTERISTICS:
LENGTH: 15
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
US-08-469-569-49

Query Match 7 6% Score 6; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 22;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 56 SPVSVG 61
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Db 2 SPVSVG 7

Search completed: September 7, 2003, 08:58:19
Job time : 9.249 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: September 7, 2003, 08:41:08 ; Search time 66.4679 Seconds
(without alignments)
865.534 Million cell updates/sec

Title: US-09-234-208B-2

Perfect score: 419
Sequence: 1 MELALCRWGLLALLPPGA.....VGRGPDPAHVAVNISSRYEG 419

Scoring table: OLIGO
Gapop 60.0 , Gapext 60.0

Searched: 513375 seqs, 137303645 residues

Word size : 0

Total number of hits satisfying chosen parameters: 513375

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Database :

1: Published Applications AA.*
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4: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.dep.*
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6: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.dep.*
7: /cgn2_6/ptodata/1/pubpaa/PCTUS_PUBCOMB.dep.*
8: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.dep.*
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16: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.dep.*
17: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.dep.*
18: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.dep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	340	81.1	645	9 US-09-921-161-1	Sequence 1, Appl1
2	340	81.1	645	15 US-10-268-501-13	Sequence 13, Appl1
3	340	81.1	653	10 US-09-854-356-3	Sequence 3, Appl1
4	340	81.1	712	10 US-09-854-356-7	Sequence 7, Appl1
5	340	81.1	919	10 US-09-854-356-6	Sequence 6, Appl1
6	340	81.1	1253	15 US-10-146-473-72	Sequence 72, Appl1
7	340	81.1	1255	9 US-09-811-123-9	Sequence 9, Appl1
8	340	81.1	1255	9 US-09-811-115-3	Sequence 3, Appl1
9	340	81.1	1255	10 US-09-769-508-2	Sequence 2, Appl1
10	340	81.1	1255	10 US-09-854-356-1	Sequence 1, Appl1
11	340	81.1	1255	10 US-09-930-125-2	Sequence 2, Appl1
12	340	81.1	1255	11 US-09-441-411-6	Sequence 6, Appl1
13	340	81.1	1255	12 US-10-207-498-6	Sequence 6, Appl1
14	340	81.1	1255	12 US-10-338-730-2	Sequence 2, Appl1
15	340	81.1	1255	12 US-10-313-644-2	Sequence 2, Appl1

16	340	81.1	1255	15 US-10-207-655-45	Sequence 45, Appl1
17	340	81.1	1255	15 US-10-177-293-126	Sequence 126, App
18	292	69.7	479	9 US-09-821-883-5	Sequence 5, Appl1
19	292	69.7	555	9 US-09-821-883-1	Sequence 1, Appl1
20	292	69.7	564	9 US-09-821-883-3	Sequence 3, Appl1
21	292	69.7	690	9 US-09-821-883-2	Sequence 2, Appl1
22	289	69.7	697	9 US-09-821-883-4	Sequence 4, Appl1
23	289	69.0	289	9 US-09-821-883-23	Sequence 23, Appl1
24	191	45.6	191	11 US-09-441-411-9	Sequence 9, Appl1
25	166	39.6	166	12 US-10-356-824-1	Sequence 1, Appl1
26	52	12.4	654	10 US-09-854-356-8	Sequence 8, Appl1
27	52	12.4	1256	10 US-09-854-356-2	Sequence 2, Appl1
28	52	12.4	1260	10 US-09-870-759-118	Sequence 118, App
29	52	12.4	1260	12 US-09-751-708A-118	Sequence 118, App
30	44	10.5	1256	10 US-09-854-356-14	Sequence 14, Appl1
31	32	7.6	32	12 US-10-356-824-2	Sequence 2, Appl1
32	22	5.3	22	9 US-09-466-320-19	Sequence 19, Appl1
33	22	5.3	68	9 US-09-466-320-11	Sequence 11, Appl1
34	18	4.3	19	9 US-09-466-320-20	Sequence 20, Appl1
35	18	4.3	65	9 US-09-466-320-12	Sequence 12, Appl1
36	15	3.6	15	10 US-09-888-721-21	Sequence 21, Appl1
37	15	3.6	15	12 US-10-282-960-78	Sequence 78, Appl1
38	14	3.3	14	15 US-10-001-546-31	Sequence 31, Appl1
39	10	2.4	10	11 US-09-572-404B-3780	Sequence 3780, Ap
40	10	2.4	10	15 US-10-001-546-30	Sequence 30, Appl1
41	9	2.1	9	10 US-09-017-743C-70	Sequence 70, Appl1
42	9	2.1	9	15 US-10-001-546-17	Sequence 17, Appl1
43	9	2.1	9	15 US-10-001-546-20	Sequence 20, Appl1
44	9	2.1	9	15 US-10-001-546-21	Sequence 21, Appl1
45	9	2.1	9	15 US-10-001-546-22	Sequence 22, Appl1

ALIGNMENTS

RESULT 1
US-09-921-161-1
; Sequence 1, Application US/09921161
; Patent No. US20020090662A1
; GENERAL INFORMATION:
; APPLICANT: Ralph, Peter
; TITLE OF INVENTION: ANALYTICAL METHOD
; FILE REFERENCE: GENENT.066A
; CURRENT APPLICATION NUMBER: US/09/921.161
; CURRENT FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/225,433
; PRIOR FILING DATE: 2000-08-15
; NUMBER OF SEQ ID NOS: 1
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 645
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-921-161-1

Query Match	Best Local Similarity	Score	DB 9:	Length	645:
Matches	340;	Conservative	0;	Mismatches	0;
				Indels	0;
				Gaps	0;
QY	1	MELALCRWGLLALLPPGA	STOVCTGTDKRLPAS	PETHLMDLHLYG	CCOVGQNL 60
DB	1	MELALCRWGLLALLPPGA	STOVCTGTDKRLPAS	PETHLMDLHLYG	CCOVGQNL 60
QY	61	ELTYLPNAGSLPIODIOEVGYL	IAHNOYRQVPLRLIVRGTL	PEDNYALAVDNG	120
DB	61	ELTYLPNAGSLPIODIOEVGYL	IAHNOYRQVPLRLIVRGTL	PEDNYALAVDNG	120
QY	121	DPLNNTTPTVAGSGRLRLRL	TEILKGVILQNPOLCYODT	ILMKDIFPKNNOLA	180
DB	121	DPLNNTTPTVAGSGRLRLRL	TEILKGVILQNPOLCYODT	ILMKDIFPKNNOLA	180
QY	181	LTLIDTRSPACHPSIMCKSG	RCWGSSEDCOSLITRVAG	CGCARCGPLPTDC	CHBOC 240
DB	181	LTLIDTRSPACHPSIMCKSG	RCWGSSEDCOSLITRVAG	CGCARCGPLPTDC	CHBOC 240

Db 181 LTLIDTNRSRACHPCSPMCKGSRGWESSEDCOSLTRIVCAGGACRCKGPLPTDCHEQC 240
QY 241 AAGCTGPRHSDCLACHFNHSGICELHCPALVTYNTDFESMPNDEGRYTFGASCVTACP 300
Db 241 AAGCTGPRHSDCLACHFNHSGICELHCPALVTYNTDFESMPNDEGRYTFGASCVTACP 300
QY 301 YNYLSTDVGSCTLVCPPLHNOEVTAEADGTORCEKSKPCAR 340
Db 301 YNYLSTDVGSCTLVCPPLHNOEVTAEADGTORCEKSKPCAR 340

RESULT 2

US-10-268-501-13
; Sequence 13, Application US/10268501
; Publication No. US20030086924A1
; GENERAL INFORMATION:
; APPLICANT: Sliwkowski, Mark X.
; TITLE OF INVENTION: Treatment with Anti-ErbB2 Antibodies
; FILE REFERENCE: P1467R2P1
; CURRENT APPLICATION NUMBER: US/10/268,501
; CURRENT FILING DATE: 2002-10-10
; PRIOR APPLICATION NUMBER: US 09/602,812
; PRIOR FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: US 60/141,316
; PRIOR FILING DATE: 1999-06-25
; NUMBER OF SEQ ID NOS: 13
; SEQ ID NO 13
; LENGTH: 645
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-268-501-13

Query Match 81.1%; Score 340; DB 15; Length 645;
Best Local Similarity 100.0%; Pred. No. 7.4e-304;
Matches 340; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MELAALCRWGLLALLPPGAASSTOVCTGTDMLRLPASPETHLDMRLHYGCGVVGNTL 60
Db 1 MELAALCRWGLLALLPPGAASSTOVCTGTDMLRLPASPETHLDMRLHYGCGVVGNTL 60
QY 61 ELTYLPTNASLSFLDIOIEVGVYLIANQVROVPLQRLIRVGTOLFEDNYALAVLDNG 120
Db 61 ELTYLPTNASLSFLDIOIEVGVYLIANQVROVPLQRLIRVGTOLFEDNYALAVLDNG 120
QY 121 DPLNNTTPTVGASPGGLRELQRLSLTEILKGGVLIQRNPOLCYODTILMKDIFHKNNOLA 180
Db 121 DPLNNTTPTVGASPGGLRELQRLSLTEILKGGVLIQRNPOLCYODTILMKDIFHKNNOLA 180
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Db 181 LTLIDTNRSRACHPCSPMCKGSRGWESSEDCOSLTRIVCAGGACRCKGPLPTDCHEQC 240
QY 241 AAGCTGPRHSDCLACHFNHSGICELHCPALVTYNTDFESMPNDEGRYTFGASCVTACP 300
Db 241 AAGCTGPRHSDCLACHFNHSGICELHCPALVTYNTDFESMPNDEGRYTFGASCVTACP 300
QY 301 YNYLSTDVGSCTLVCPPLHNOEVTAEADGTORCEKSKPCAR 340
Db 301 YNYLSTDVGSCTLVCPPLHNOEVTAEADGTORCEKSKPCAR 340

RESULT 3

US-09-854-356-3
; Sequence 3, Application US/09854356
; Patent No. US20020177567A1
; GENERAL INFORMATION:
; APPLICANT: Cheever, Martin A.
; APPLICANT: Gheysen, Dirk
; APPLICANT: Corixa Corporation
; APPLICANT: SmithKline Beecham Biologicals S. A.
; TITLE OF INVENTION: HER-2/neu Fusion Proteins
; FILE REFERENCE: 014058-009810PC
; CURRENT APPLICATION NUMBER: US/09/854,356

; CURRENT FILING DATE: 2001-05-09
; PRIOR APPLICATION NUMBER: US 09/493,480
; PRIOR FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: US 60/117,976
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 3
; LENGTH: 653
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: extracellular domain (ECD) of human HER-2/neu
US-09-854-356-3

Query Match 81.1%; Score 340; DB 10; Length 653;
Best Local Similarity 100.0%; Pred. No. 7.5e-304;
Matches 340; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MELAALCRWGLLALLPPGAASSTOVCTGTDMLRLPASPETHLDMRLHYGCGVVGNTL 60
Db 1 MELAALCRWGLLALLPPGAASSTOVCTGTDMLRLPASPETHLDMRLHYGCGVVGNTL 60
QY 61 ELTYLPTNASLSFLDIOIEVGVYLIANQVROVPLQRLIRVGTOLFEDNYALAVLDNG 120
Db 61 ELTYLPTNASLSFLDIOIEVGVYLIANQVROVPLQRLIRVGTOLFEDNYALAVLDNG 120
QY 121 DPLNNTTPTVGASPGGLRELQRLSLTEILKGGVLIQRNPOLCYODTILMKDIFHKNNOLA 180
Db 121 DPLNNTTPTVGASPGGLRELQRLSLTEILKGGVLIQRNPOLCYODTILMKDIFHKNNOLA 180
QY 181 LTLIDTNRSRACHPCSPMCKGSRGWESSEDCOSLTRIVCAGGACRCKGPLPTDCHEQC 240
Db 181 LTLIDTNRSRACHPCSPMCKGSRGWESSEDCOSLTRIVCAGGACRCKGPLPTDCHEQC 240
QY 241 AAGCTGPRHSDCLACHFNHSGICELHCPALVTYNTDFESMPNDEGRYTFGASCVTACP 300
Db 241 AAGCTGPRHSDCLACHFNHSGICELHCPALVTYNTDFESMPNDEGRYTFGASCVTACP 300
QY 301 YNYLSTDVGSCTLVCPPLHNOEVTAEADGTORCEKSKPCAR 340
Db 301 YNYLSTDVGSCTLVCPPLHNOEVTAEADGTORCEKSKPCAR 340

RESULT 4

US-09-854-356-7
; Sequence 7, Application US/09854356
; Patent No. US20020177567A1
; GENERAL INFORMATION:
; APPLICANT: Cheever, Martin A.
; APPLICANT: Gheysen, Dirk
; APPLICANT: Corixa Corporation
; APPLICANT: SmithKline Beecham Biologicals S. A.
; TITLE OF INVENTION: HER-2/neu Fusion Proteins
; FILE REFERENCE: 014058-009810PC
; CURRENT APPLICATION NUMBER: US/09/854,356
; CURRENT FILING DATE: 2001-05-09
; PRIOR APPLICATION NUMBER: US 09/493,480
; PRIOR FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: US 60/117,976
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 7
; LENGTH: 712
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: fusion protein
; OTHER INFORMATION: of ECD and delta pd of human HER-2/neu
US-09-854-356-7

Query Match 81.1%; Score 340; DB 10; Length 712;

Best Local Similarity 100.0%; Pred. No. 8e-304;
Matches 340; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 MELAALCRWGLLALALPPGAASVCTGTDMLRLPASPEETHLDMRLHYOGCQVVGNTL 60
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DB 61 ELTYLPTNASLSFLDIOIEVQGVYLIANHQRVPLQRLRIYRGTLFEDNYALAVLDNG 120
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QY 301 YNYLSTDVGSCTLVCPPLHNOEVTAEADGTORCEKSKPCAR 340
DB 301 YNYLSTDVGSCTLVCPPLHNOEVTAEADGTORCEKSKPCAR 340

RESULT 5
US-09-854-356-6

; Sequence 6, Application US/09854356
; Patent No. US20020177567A1
; GENERAL INFORMATION:
; APPLICANT: Cheever, Martin A.
; APPLICANT: Cheyven, Dirk
; APPLICANT: Corixa Corporation
; APPLICANT: SmithKline Beecham Biologicals S. A.
; TITLE OF INVENTION: HER-2/neu Fusion Proteins
; FILE REFERENCE: 014058-009810PC
; CURRENT APPLICATION NUMBER: US/09/854,356
; PRIOR FILING DATE: 2001-05-09
; PRIOR APPLICATION NUMBER: US 09/493,480
; PRIOR FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: US 60/117,976
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO: 6
; LENGTH: 919
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: fusion protein
; OTHER INFORMATION: of ECD and PD of human HER-2/neu
US-09-854-356-6

Query Match 81.1%; Score 340; DB 10; Length 919;

Best Local Similarity 100.0%; Pred. No. 9.9e-304;
Matches 340; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MELAALCRWGLLALALPPGAASVCTGTDMLRLPASPEETHLDMRLHYOGCQVVGNTL 60
DB 1 MELAALCRWGLLALALPPGAASVCTGTDMLRLPASPEETHLDMRLHYOGCQVVGNTL 60
QY 61 ELTYLPTNASLSFLDIOIEVQGVYLIANHQRVPLQRLRIYRGTLFEDNYALAVLDNG 120
DB 61 ELTYLPTNASLSFLDIOIEVQGVYLIANHQRVPLQRLRIYRGTLFEDNYALAVLDNG 120
QY 121 DPLNNTPTVTGASPGGLRELQRLSLTEILKGGVLIQRNPOLCYQDTILMKDIFHKNNOLA 180
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QY 181 LTLIDTNRSRACHPCSPMKGSRGSESSDCOSLTRVCAGGCARCKGPLPTDCHEOC 240
DB 181 LTLIDTNRSRACHPCSPMKGSRGSESSDCOSLTRVCAGGCARCKGPLPTDCHEOC 240

DB 181 LTLIDTNRSRACHPCSPMKGSRGSESSDCOSLTRVCAGGCARCKGPLPTDCHEOC 240

QY 241 AAGCTGPKHSDCLACLFHNSGICELHCPALVTYNTDFTESMPNPEGRTTFGASCVTACP 300
DB 241 AAGCTGPKHSDCLACLFHNSGICELHCPALVTYNTDFTESMPNPEGRTTFGASCVTACP 300

QY 301 YNYLSTDVGSCTLVCPPLHNOEVTAEADGTORCEKSKPCAR 340
DB 301 YNYLSTDVGSCTLVCPPLHNOEVTAEADGTORCEKSKPCAR 340

RESULT 6
US-10-146-473-72

; Sequence 72, Application US/10146473
; Publication No. US20030108888A1
; GENERAL INFORMATION:
; APPLICANT: Scanlan, Matthew
; APPLICANT: Gout, Ivan
; APPLICANT: Stockert, Elisabeth
; APPLICANT: Gure, Ali
; APPLICANT: Chen, Yao-Tseng
; APPLICANT: Old, Lloyd
; TITLE OF INVENTION: Breast Cancer Antigens
; FILE REFERENCE: L00461/70130(JRV)
; CURRENT APPLICATION NUMBER: US/10/146,473
; PRIOR FILING DATE: 2002-05-15
; PRIOR APPLICATION NUMBER: US 60/291,150
; NUMBER OF SEQ ID NOS: 82
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO: 72
; LENGTH: 1253
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-146-473-72

Query Match 81.1%; Score 340; DB 15; Length 1253;

Best Local Similarity 100.0%; Pred. No. 1.3e-303;
Matches 340; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MELAALCRWGLLALALPPGAASVCTGTDMLRLPASPEETHLDMRLHYOGCQVVGNTL 60
DB 1 MELAALCRWGLLALALPPGAASVCTGTDMLRLPASPEETHLDMRLHYOGCQVVGNTL 60
QY 61 ELTYLPTNASLSFLDIOIEVQGVYLIANHQRVPLQRLRIYRGTLFEDNYALAVLDNG 120
DB 61 ELTYLPTNASLSFLDIOIEVQGVYLIANHQRVPLQRLRIYRGTLFEDNYALAVLDNG 120
QY 121 DPLNNTPTVTGASPGGLRELQRLSLTEILKGGVLIQRNPOLCYQDTILMKDIFHKNNOLA 180
DB 121 DPLNNTPTVTGASPGGLRELQRLSLTEILKGGVLIQRNPOLCYQDTILMKDIFHKNNOLA 180
QY 181 LTLIDTNRSRACHPCSPMKGSRGSESSDCOSLTRVCAGGCARCKGPLPTDCHEOC 240
DB 181 LTLIDTNRSRACHPCSPMKGSRGSESSDCOSLTRVCAGGCARCKGPLPTDCHEOC 240
QY 241 AAGCTGPKHSDCLACLFHNSGICELHCPALVTYNTDFTESMPNPEGRTTFGASCVTACP 300
DB 241 AAGCTGPKHSDCLACLFHNSGICELHCPALVTYNTDFTESMPNPEGRTTFGASCVTACP 300
QY 301 YNYLSTDVGSCTLVCPPLHNOEVTAEADGTORCEKSKPCAR 340
DB 301 YNYLSTDVGSCTLVCPPLHNOEVTAEADGTORCEKSKPCAR 340

RESULT 7
US-09-811-123-9

; Sequence 9, Application US/09811123
; Patent No. US20020001587A1
; GENERAL INFORMATION:
; APPLICANT: Sharon Erickson
; APPLICANT: Ralph Schwalli

```

; APPLICANT: Mark Slikowski
; TITLE OF INVENTION: METHODS OF TREATMENT USING ANTI-ERBB
; FILE REFERENCE: GENE 073A2
; CURRENT FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/238,327
; PRIOR FILING DATE: 2000-10-05
; PRIOR APPLICATION NUMBER: 09/602,530
; PRIOR FILING DATE: 2000-06-23
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO: 9
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-811-123-9

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Query Match      81.1%; Score 340; DB 9; Length 1255;
Best Local Similarity 100.0%; Pred. No. 1.3e-303;
Matches 340; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY      1 MELAALCRWGLLALLPPGAASSTQVCTGDMKRLRPASPEHLDMLRHLVYGCQVVGNTL 60
      1 MELAALCRWGLLALLPPGAASSTQVCTGDMKRLRPASPEHLDMLRHLVYGCQVVGNTL 60
DB      1 MELAALCRWGLLALLPPGAASSTQVCTGDMKRLRPASPEHLDMLRHLVYGCQVVGNTL 60
QY      61 ELTYLPTNASLSFLDIOIEVGVYLIANOVROVPLQRLRIVRGTLFEDNYALAVLDNG 120
      61 ELTYLPTNASLSFLDIOIEVGVYLIANOVROVPLQRLRIVRGTLFEDNYALAVLDNG 120
DB      61 ELTYLPTNASLSFLDIOIEVGVYLIANOVROVPLQRLRIVRGTLFEDNYALAVLDNG 120
QY      121 DELNNTTPTVGTASPGGLRELOLRSLTEILKGVLIQRNPOLCYODTILMKDIFHKNQOLA 180
      121 DELNNTTPTVGTASPGGLRELOLRSLTEILKGVLIQRNPOLCYODTILMKDIFHKNQOLA 180
DB      121 DELNNTTPTVGTASPGGLRELOLRSLTEILKGVLIQRNPOLCYODTILMKDIFHKNQOLA 180
QY      181 LTLIDTNSRACHPCSPMKGSRCWGESSEDCOSLTRIVCAGGACRGPPLPTDCCHQC 240
      181 LTLIDTNSRACHPCSPMKGSRCWGESSEDCOSLTRIVCAGGACRGPPLPTDCCHQC 240
DB      181 LTLIDTNSRACHPCSPMKGSRCWGESSEDCOSLTRIVCAGGACRGPPLPTDCCHQC 240
QY      241 AAGCTGPRKSDCLACLFHNSGICELHCPALVTYNTDFESMPNPEGRTTFCASCVTACP 300
      241 AAGCTGPRKSDCLACLFHNSGICELHCPALVTYNTDFESMPNPEGRTTFCASCVTACP 300
DB      241 AAGCTGPRKSDCLACLFHNSGICELHCPALVTYNTDFESMPNPEGRTTFCASCVTACP 300
QY      301 YNYLSTDVGSCTLVCPHLNQEVTADGTORCEKSKPCAR 340
      301 YNYLSTDVGSCTLVCPHLNQEVTADGTORCEKSKPCAR 340
DB      301 YNYLSTDVGSCTLVCPHLNQEVTADGTORCEKSKPCAR 340

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```

RESULT 8
US-09-811-115-3
; Sequence 3, Application US/09811115
; Patent No. US20020035736A1
; GENERAL INFORMATION:
; APPLICANT: Erickson, Sharon
; APPLICANT: Schwall, Ralph
; APPLICANT: King, Kathleen
; TITLE OF INVENTION: HER-2 TRANSGENIC NON-HUMAN TUMOR MODEL
; FILE REFERENCE: GENE 034A
; CURRENT APPLICATION NUMBER: US/09/811,115
; CURRENT FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/189,844
; PRIOR FILING DATE: 2000-03-16
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO: 3
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-811-115-3

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```

Query Match      81.1%; Score 340; DB 9; Length 1255;
Best Local Similarity 100.0%; Pred. No. 1.3e-303;
Matches 340; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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```

QY      1 MELAALCRWGLLALLPPGAASSTQVCTGDMKRLRPASPEHLDMLRHLVYGCQVVGNTL 60
      1 MELAALCRWGLLALLPPGAASSTQVCTGDMKRLRPASPEHLDMLRHLVYGCQVVGNTL 60
DB      1 MELAALCRWGLLALLPPGAASSTQVCTGDMKRLRPASPEHLDMLRHLVYGCQVVGNTL 60
QY      61 ELTYLPTNASLSFLDIOIEVGVYLIANOVROVPLQRLRIVRGTLFEDNYALAVLDNG 120
      61 ELTYLPTNASLSFLDIOIEVGVYLIANOVROVPLQRLRIVRGTLFEDNYALAVLDNG 120
DB      61 ELTYLPTNASLSFLDIOIEVGVYLIANOVROVPLQRLRIVRGTLFEDNYALAVLDNG 120
QY      121 DELNNTTPTVGTASPGGLRELOLRSLTEILKGVLIQRNPOLCYODTILMKDIFHKNQOLA 180
      121 DELNNTTPTVGTASPGGLRELOLRSLTEILKGVLIQRNPOLCYODTILMKDIFHKNQOLA 180
DB      121 DELNNTTPTVGTASPGGLRELOLRSLTEILKGVLIQRNPOLCYODTILMKDIFHKNQOLA 180
QY      181 LTLIDTNSRACHPCSPMKGSRCWGESSEDCOSLTRIVCAGGACRGPPLPTDCCHQC 240
      181 LTLIDTNSRACHPCSPMKGSRCWGESSEDCOSLTRIVCAGGACRGPPLPTDCCHQC 240
DB      181 LTLIDTNSRACHPCSPMKGSRCWGESSEDCOSLTRIVCAGGACRGPPLPTDCCHQC 240
QY      241 AAGCTGPRKSDCLACLFHNSGICELHCPALVTYNTDFESMPNPEGRTTFCASCVTACP 300
      241 AAGCTGPRKSDCLACLFHNSGICELHCPALVTYNTDFESMPNPEGRTTFCASCVTACP 300
DB      241 AAGCTGPRKSDCLACLFHNSGICELHCPALVTYNTDFESMPNPEGRTTFCASCVTACP 300
QY      301 YNYLSTDVGSCTLVCPHLNQEVTADGTORCEKSKPCAR 340
      301 YNYLSTDVGSCTLVCPHLNQEVTADGTORCEKSKPCAR 340
DB      301 YNYLSTDVGSCTLVCPHLNQEVTADGTORCEKSKPCAR 340

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RESULT 9
US-09-769-508-2
; Sequence 2, Application US/09769508
; Patent No. US2002015527A1
; GENERAL INFORMATION:
; APPLICANT: STUHAN, SUSAN G.
; APPLICANT: MONAHAN, JOHN J.
; APPLICANT: LANGTON, BEATRICE CLAUDIA
; APPLICANT: HANCOCK, MIRIAM E.C.
; APPLICANT: CHAO, LORRINE A.
; APPLICANT: BLUFORD, PETER
; TITLE OF INVENTION: C-ERBB-2 EXTERNAL DOMAIN: GP75
; FILE REFERENCE: BEBIO-111-C1
; CURRENT APPLICATION NUMBER: US/09/769,508
; CURRENT FILING DATE: 2001-01-26
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO: 2
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-769-508-2

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Query Match      81.1%; Score 340; DB 10; Length 1255;
Best Local Similarity 100.0%; Pred. No. 1.3e-303;
Matches 340; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY      1 MELAALCRWGLLALLPPGAASSTQVCTGDMKRLRPASPEHLDMLRHLVYGCQVVGNTL 60
      1 MELAALCRWGLLALLPPGAASSTQVCTGDMKRLRPASPEHLDMLRHLVYGCQVVGNTL 60
DB      1 MELAALCRWGLLALLPPGAASSTQVCTGDMKRLRPASPEHLDMLRHLVYGCQVVGNTL 60
QY      61 ELTYLPTNASLSFLDIOIEVGVYLIANOVROVPLQRLRIVRGTLFEDNYALAVLDNG 120
      61 ELTYLPTNASLSFLDIOIEVGVYLIANOVROVPLQRLRIVRGTLFEDNYALAVLDNG 120
DB      61 ELTYLPTNASLSFLDIOIEVGVYLIANOVROVPLQRLRIVRGTLFEDNYALAVLDNG 120
QY      121 DELNNTTPTVGTASPGGLRELOLRSLTEILKGVLIQRNPOLCYODTILMKDIFHKNQOLA 180
      121 DELNNTTPTVGTASPGGLRELOLRSLTEILKGVLIQRNPOLCYODTILMKDIFHKNQOLA 180
DB      121 DELNNTTPTVGTASPGGLRELOLRSLTEILKGVLIQRNPOLCYODTILMKDIFHKNQOLA 180
QY      181 LTLIDTNSRACHPCSPMKGSRCWGESSEDCOSLTRIVCAGGACRGPPLPTDCCHQC 240
      181 LTLIDTNSRACHPCSPMKGSRCWGESSEDCOSLTRIVCAGGACRGPPLPTDCCHQC 240
DB      181 LTLIDTNSRACHPCSPMKGSRCWGESSEDCOSLTRIVCAGGACRGPPLPTDCCHQC 240
QY      241 AAGCTGPRKSDCLACLFHNSGICELHCPALVTYNTDFESMPNPEGRTTFCASCVTACP 300
      241 AAGCTGPRKSDCLACLFHNSGICELHCPALVTYNTDFESMPNPEGRTTFCASCVTACP 300
DB      241 AAGCTGPRKSDCLACLFHNSGICELHCPALVTYNTDFESMPNPEGRTTFCASCVTACP 300
QY      301 YNYLSTDVGSCTLVCPHLNQEVTADGTORCEKSKPCAR 340
      301 YNYLSTDVGSCTLVCPHLNQEVTADGTORCEKSKPCAR 340

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Db 301 YNYLSTDVGSCTLVCPPLHNOEVTAEADGTORCEKCSKPCAR 340

RESULT 10

US-09-854-356-1
; Sequence 1, Application US/09854356
; Patent No. US20020177567A1
; GENERAL INFORMATION:
; APPLICANT: Cheever, Martin A.
; APPLICANT: Cheysen, Dirk
; APPLICANT: Corixa Corporation
; APPLICANT: SmithKline Beecham Biologicals S. A.
; TITLE OF INVENTION: HER-2/neu Fusion Proteins
; FILE REFERENCE: 014058-009810PC
; CURRENT APPLICATION NUMBER: US/09/854,356
; PRIOR FILING DATE: 2001-05-09
; PRIOR APPLICATION NUMBER: US 09/493,480
; PRIOR FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: US 60/117,976
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (1)..(653)
; OTHER INFORMATION: extracellular domain (ECD)
; NAME/KEY: DOMAIN
; LOCATION: (676)..(1255)
; OTHER INFORMATION: intracellular domain (ICD)
; NAME/KEY: DOMAIN
; LOCATION: (990)..(1255)
; OTHER INFORMATION: phosphorylation domain (PD)
; NAME/KEY: DOMAIN
; LOCATION: (990)..(1048)
; OTHER INFORMATION: fragment of the phosphorylation domain, preferred
; OTHER INFORMATION: portion (delta PD)
US-09-854-356-1

Query Match 81.1%; Score 340; DB 10; Length 1255;

Best Local Similarity 100.0%; Pred. No. 1.3e-303; Indels 0; Gaps 0;

Matches 340; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MELAALCRWGLLLALPPGAASVQCTGTDKRLRLPASPEHLDMLRHLVGGCQVVGQNL 60
DB 1 MELAALCRWGLLLALPPGAASVQCTGTDKRLRLPASPEHLDMLRHLVGGCQVVGQNL 60
QY 61 ELTYLPTNASLSFLDIOIEVQGYVLIANOVROVPLQRLIRVGTQLFEDNYALAVLDNG 120
DB 61 ELTYLPTNASLSFLDIOIEVQGYVLIANOVROVPLQRLIRVGTQLFEDNYALAVLDNG 120
QY 121 DPLNNTTPTVTSASPGGLRELQRLSTELIKGGVLIORNPOLCYODTIIMKQIFHKNNOLA 180
DB 121 DPLNNTTPTVTSASPGGLRELQRLSTELIKGGVLIORNPOLCYODTIIMKQIFHKNNOLA 180
QY 181 LTLIDTNRSRACHPCSPCKSGRCWGESSEDCQSLTRTVACGAGCARCKGPLPTDCCHQC 240
DB 181 LTLIDTNRSRACHPCSPCKSGRCWGESSEDCQSLTRTVACGAGCARCKGPLPTDCCHQC 240
QY 241 AAGCTGPGHSDCLACLFHNSGICELHCPALVTYNTDTFESMPNDEGRYTGASCVTACP 300
DB 241 AAGCTGPGHSDCLACLFHNSGICELHCPALVTYNTDTFESMPNDEGRYTGASCVTACP 300
QY 301 YNYLSTDVGSCTLVCPPLHNOEVTAEADGTORCEKCSKPCAR 340
DB 301 YNYLSTDVGSCTLVCPPLHNOEVTAEADGTORCEKCSKPCAR 340

RESULT 11

US-09-930-125-2
; Sequence 2, Application US/09930125
; Publication No. US20020193329A1
; GENERAL INFORMATION:
; APPLICANT: Hand-Zimmerman, Susan
; APPLICANT: Cheever, Martin A.
; APPLICANT: Foy, Teresa M.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Kalos, Michael D.
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Vedick, Thomas S.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND DIAGNOSIS
; FILE REFERENCE: 210121.544
; CURRENT APPLICATION NUMBER: US/09/930,125
; PRIOR FILING DATE: 2001-08-14
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-930-125-2

Query Match 81.1%; Score 340; DB 10; Length 1255;

Best Local Similarity 100.0%; Pred. No. 1.3e-303; Indels 0; Gaps 0;

Matches 340; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MELAALCRWGLLLALPPGAASVQCTGTDKRLRLPASPEHLDMLRHLVGGCQVVGQNL 60
DB 1 MELAALCRWGLLLALPPGAASVQCTGTDKRLRLPASPEHLDMLRHLVGGCQVVGQNL 60
QY 61 ELTYLPTNASLSFLDIOIEVQGYVLIANOVROVPLQRLIRVGTQLFEDNYALAVLDNG 120
DB 61 ELTYLPTNASLSFLDIOIEVQGYVLIANOVROVPLQRLIRVGTQLFEDNYALAVLDNG 120
QY 121 DPLNNTTPTVTSASPGGLRELQRLSTELIKGGVLIORNPOLCYODTIIMKQIFHKNNOLA 180
DB 121 DPLNNTTPTVTSASPGGLRELQRLSTELIKGGVLIORNPOLCYODTIIMKQIFHKNNOLA 180
QY 181 LTLIDTNRSRACHPCSPCKSGRCWGESSEDCQSLTRTVACGAGCARCKGPLPTDCCHQC 240
DB 181 LTLIDTNRSRACHPCSPCKSGRCWGESSEDCQSLTRTVACGAGCARCKGPLPTDCCHQC 240
QY 241 AAGCTGPGHSDCLACLFHNSGICELHCPALVTYNTDTFESMPNDEGRYTGASCVTACP 300
DB 241 AAGCTGPGHSDCLACLFHNSGICELHCPALVTYNTDTFESMPNDEGRYTGASCVTACP 300
QY 301 YNYLSTDVGSCTLVCPPLHNOEVTAEADGTORCEKCSKPCAR 340
DB 301 YNYLSTDVGSCTLVCPPLHNOEVTAEADGTORCEKCSKPCAR 340

RESULT 12

US-09-441-411-6
; Sequence 6, Application US/09441411
; Publication No. US20030008342A1
; GENERAL INFORMATION:
; APPLICANT: Scholler, Nathalie B.
; APPLICANT: Disis, Mary L.
; APPLICANT: Hellstrom, Inggerd
; APPLICANT: Hellstrom, Karl Erik
; TITLE OF INVENTION: SURFACE RECEPTOR ANTIGEN VACCINES
; FILE REFERENCE: 730033.409
; CURRENT APPLICATION NUMBER: US/09/441,411
; CURRENT FILING DATE: 1999-11-16
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Homo sapiens

US-09-441-411-6

Query Match 81.1%; Score 340; DB 11; Length 1255;
Best Local Similarity 100.0%; Pred. No. 1.3e-303;
Matches 340; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MELALCRWGLLLALPPGAASSTVCTGDMKRLPASPEHLDMLRHLVGGCQVQGNL 60
DB 1 MELALCRWGLLLALPPGAASSTVCTGDMKRLPASPEHLDMLRHLVGGCQVQGNL 60
QY 61 ELYTLPNASSLFIODIOEVQGVYLIANOVQVPLQRLIRVGTQLFEDNYALAVLDNG 120
DB 61 ELYTLPNASSLFIODIOEVQGVYLIANOVQVPLQRLIRVGTQLFEDNYALAVLDNG 120
QY 121 DPLNNTTPTVGTASPGGLRELOLRSLTELKGGVLIQRPOLCYODTILMKDIFHKNNOLA 180
DB 121 DPLNNTTPTVGTASPGGLRELOLRSLTELKGGVLIQRPOLCYODTILMKDIFHKNNOLA 180
QY 181 LTLIDTNRSPRACHPCSPMCKSRGWESSEDCOSLTRTVCAAGCARCKGPLPTDCHEQC 240
DB 181 LTLIDTNRSPRACHPCSPMCKSRGWESSEDCOSLTRTVCAAGCARCKGPLPTDCHEQC 240
QY 241 AAGCTGPRHSDCLACLFHNSGICELHCPALVTYNTDTPESMPNDEGRYTFGASCVTACP 300
DB 241 AAGCTGPRHSDCLACLFHNSGICELHCPALVTYNTDTPESMPNDEGRYTFGASCVTACP 300
QY 301 YNYLSTDVGSCTIVCPHNOEVTAEADGTORCEKSKPCAR 340
DB 301 YNYLSTDVGSCTIVCPHNOEVTAEADGTORCEKSKPCAR 340

RESULT 13

US-10-207-498-6
Sequence 6, Application US/10207498
Publication No. US20030143568A1

GENERAL INFORMATION:
APPLICANT: Elizabeth Singer
APPLICANT: Ralf Landgraf
APPLICANT: Dennis J. Slamon
APPLICANT: David Eisenberg
TITLE OF INVENTION: METHODS AND MATERIALS FOR CHARACTERIZING
TITLE OF INVENTION: AND MODULATING INTERACTIONS BETWEEN HERGULIN AND HER3
FILE REFERENCE: 30448.103-US-U1
CURRENT APPLICATION NUMBER: US/10/207,498
CURRENT FILING DATE: 2002-07-29
PRIOR APPLICATION NUMBER: 60/308,431
PRIOR FILING DATE: 2001-07-27
NUMBER OF SEQ ID NOS: 24
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 6
LENGTH: 1255
TYPE: PRT
ORGANISM: Homo sapiens
US-10-207-498-6

Query Match 81.1%; Score 340; DB 12; Length 1255;
Best Local Similarity 100.0%; Pred. No. 1.3e-303;
Matches 340; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MELALCRWGLLLALPPGAASSTVCTGDMKRLPASPEHLDMLRHLVGGCQVQGNL 60
DB 1 MELALCRWGLLLALPPGAASSTVCTGDMKRLPASPEHLDMLRHLVGGCQVQGNL 60
QY 61 ELYTLPNASSLFIODIOEVQGVYLIANOVQVPLQRLIRVGTQLFEDNYALAVLDNG 120
DB 61 ELYTLPNASSLFIODIOEVQGVYLIANOVQVPLQRLIRVGTQLFEDNYALAVLDNG 120
QY 121 DPLNNTTPTVGTASPGGLRELOLRSLTELKGGVLIQRPOLCYODTILMKDIFHKNNOLA 180
DB 121 DPLNNTTPTVGTASPGGLRELOLRSLTELKGGVLIQRPOLCYODTILMKDIFHKNNOLA 180
QY 181 LTLIDTNRSPRACHPCSPMCKSRGWESSEDCOSLTRTVCAAGCARCKGPLPTDCHEQC 240
DB 181 LTLIDTNRSPRACHPCSPMCKSRGWESSEDCOSLTRTVCAAGCARCKGPLPTDCHEQC 240

DB 181 LTLIDTNRSPRACHPCSPMCKSRGWESSEDCOSLTRTVCAAGCARCKGPLPTDCHEQC 240

QY 241 AAGCTGPRHSDCLACLFHNSGICELHCPALVTYNTDTPESMPNDEGRYTFGASCVTACP 300

DB 241 AAGCTGPRHSDCLACLFHNSGICELHCPALVTYNTDTPESMPNDEGRYTFGASCVTACP 300

QY 301 YNYLSTDVGSCTIVCPHNOEVTAEADGTORCEKSKPCAR 340

DB 301 YNYLSTDVGSCTIVCPHNOEVTAEADGTORCEKSKPCAR 340

RESULT 14
US-10-338-730-2
Sequence 2, Application US/10338730
Publication No. US20030147905A1

GENERAL INFORMATION:
APPLICANT: Genzyme Corporation
APPLICANT: Nicolette, Charles A.
TITLE OF INVENTION: THERAPEUTIC COMPOUNDS
FILE REFERENCE: 5017C
CURRENT APPLICATION NUMBER: US/10/338,730
CURRENT FILING DATE: 2003-01-08
PRIOR APPLICATION NUMBER: US 09/527,487
PRIOR FILING DATE: 2002-03-16
NUMBER OF SEQ ID NOS: 10
SOFTWARE: PatentIn version 3.1
SEQ ID NO 2
LENGTH: 1255
TYPE: PRT
ORGANISM: Homo sapiens
US-10-338-730-2

Query Match 81.1%; Score 340; DB 12; Length 1255;
Best Local Similarity 100.0%; Pred. No. 1.3e-303;
Matches 340; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MELALCRWGLLLALPPGAASSTVCTGDMKRLPASPEHLDMLRHLVGGCQVQGNL 60
DB 1 MELALCRWGLLLALPPGAASSTVCTGDMKRLPASPEHLDMLRHLVGGCQVQGNL 60
QY 61 ELYTLPNASSLFIODIOEVQGVYLIANOVQVPLQRLIRVGTQLFEDNYALAVLDNG 120
DB 61 ELYTLPNASSLFIODIOEVQGVYLIANOVQVPLQRLIRVGTQLFEDNYALAVLDNG 120
QY 121 DPLNNTTPTVGTASPGGLRELOLRSLTELKGGVLIQRPOLCYODTILMKDIFHKNNOLA 180
DB 121 DPLNNTTPTVGTASPGGLRELOLRSLTELKGGVLIQRPOLCYODTILMKDIFHKNNOLA 180
QY 181 LTLIDTNRSPRACHPCSPMCKSRGWESSEDCOSLTRTVCAAGCARCKGPLPTDCHEQC 240
DB 181 LTLIDTNRSPRACHPCSPMCKSRGWESSEDCOSLTRTVCAAGCARCKGPLPTDCHEQC 240
QY 241 AAGCTGPRHSDCLACLFHNSGICELHCPALVTYNTDTPESMPNDEGRYTFGASCVTACP 300
DB 241 AAGCTGPRHSDCLACLFHNSGICELHCPALVTYNTDTPESMPNDEGRYTFGASCVTACP 300
QY 301 YNYLSTDVGSCTIVCPHNOEVTAEADGTORCEKSKPCAR 340
DB 301 YNYLSTDVGSCTIVCPHNOEVTAEADGTORCEKSKPCAR 340

RESULT 15
US-10-313-644-2

Sequence 2, Application US/10313644
Publication No. US20030157119A1
GENERAL INFORMATION:
APPLICANT: Gaiger, Alexander
APPLICANT: Cheever, Martin A.
APPLICANT: Hand-Zimmerman, Susan
TITLE OF INVENTION: METHODS FOR DIAGNOSIS AND THERAPY OF HEMATOLOGICAL
TITLE OF INVENTION: AND VIRUS-ASSOCIATED MALIGNANCIES
FILE REFERENCE: 210121.483C3
CURRENT APPLICATION NUMBER: US/10/313,644

; CURRENT FILING DATE: 2002-12-04
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-313-644-2

Query Match 81.1%; Score 340; DB 12; Length 1255;
Best Local Similarity 100.0%; Pred. No. 1.3e-303;
Matches 340; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db	1	MELALCRWGLLALLPPGAAS	60
Qy	61	ELTYLPTNASLFLDIOEVQ	120
Db	61	ELTYLPTNASLFLDIOEVQ	120
Qy	121	DLNNTTPTVGTASPGGLR	180
Db	121	DLNNTTPTVGTASPGGLR	180
Qy	181	LTLIDTNRSRACHPCSP	240
Db	181	LTLIDTNRSRACHPCSP	240
Qy	241	AAGCTGPKHSDCLACI	300
Db	241	AAGCTGPKHSDCLACI	300
Qy	301	YNYLSTDVGSCTLVCP	340
Db	301	YNYLSTDVGSCTLVCP	340

Search completed: September 7, 2003, 09:06:27
Job time : 68.4679 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: September 7, 2003, 08:41:03; Search time 43.751 Seconds
(without alignments)
405.208 Million cell updates/sec

Title: US-09-234-208B-2

Perfect score: 419
Sequence: 1 MELAALCRWGLLALPPGA.....VGRGPPDAHVAVNLRYEG 419

Scoring table: OLIGO
Gapop 60.0, Gapext 60.0

Searched: 328717 seqs, 42310858 residues

Word size: 0

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Listing first 45 summaries

Database: Issued Patents, AA:*

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2: /cgn2_6/ptodata/1/1aa/5B.COMB.pep:*
3: /cgn2_6/ptodata/1/1aa/6A.COMB.pep:*
4: /cgn2_6/ptodata/1/1aa/6B.COMB.pep:*
5: /cgn2_6/ptodata/1/1aa/6C.COMB.pep:*
6: /cgn2_6/ptodata/1/1aa/backfill1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	419	100.0	419	4	US-09-630-155-2
2	340	81.1	782	2	US-09-146-283-4
3	340	81.1	782	3	US-08-579-823A-4
4	340	81.1	782	3	US-09-344-195-4
5	340	81.1	1255	1	US-08-467-083-68
6	340	81.1	1255	1	US-08-414-417B-68
7	340	81.1	1255	2	US-08-484-438-8
8	340	81.1	1255	2	US-08-486-348A-68
9	340	81.1	1255	2	US-08-625-101-2
10	340	81.1	1255	2	US-08-468-545B-68
11	340	81.1	1255	3	US-08-356-786-2
12	340	81.1	1255	3	US-08-466-680B-68
13	340	81.1	1255	4	US-09-527-487-2
14	319	76.1	624	4	US-08-422-108-1
15	319	76.1	624	4	US-08-422-734-1
16	96	22.9	97	4	US-08-421-356-3
17	96	22.9	97	4	US-09-046-783-3
18	79	18.9	79	4	US-09-630-155-1
19	17	4.1	17	1	US-08-467-083-61
20	17	4.1	17	1	US-08-414-417B-61
21	17	4.1	17	2	US-08-486-348A-61
22	17	4.1	17	2	US-08-468-545B-61
23	17	4.1	17	3	US-08-466-680B-61
24	15	3.6	15	1	US-08-467-083-30
25	15	3.6	15	1	US-08-467-083-31
26	15	3.6	15	1	US-08-467-083-32
27	15	3.6	15	1	US-08-467-083-33

28	15	3.6	15	1	US-08-467-083-56	Sequence 56, Appl
29	15	3.6	15	1	US-08-414-417B-30	Sequence 30, Appl
30	15	3.6	15	1	US-08-414-417B-31	Sequence 31, Appl
31	15	3.6	15	1	US-08-414-417B-32	Sequence 32, Appl
32	15	3.6	15	1	US-08-414-417B-33	Sequence 33, Appl
33	15	3.6	15	1	US-08-414-417B-56	Sequence 56, Appl
34	15	3.6	15	2	US-08-486-348A-31	Sequence 30, Appl
35	15	3.6	15	2	US-08-486-348A-32	Sequence 31, Appl
36	15	3.6	15	2	US-08-486-348A-33	Sequence 32, Appl
37	15	3.6	15	2	US-08-486-348A-56	Sequence 56, Appl
38	15	3.6	15	2	US-08-468-545B-30	Sequence 30, Appl
39	15	3.6	15	2	US-08-468-545B-31	Sequence 31, Appl
40	15	3.6	15	2	US-08-468-545B-32	Sequence 32, Appl
41	15	3.6	15	2	US-08-468-545B-33	Sequence 33, Appl
42	15	3.6	15	2	US-08-468-545B-56	Sequence 56, Appl
43	15	3.6	15	3	US-08-466-680B-30	Sequence 30, Appl
44	15	3.6	15	3	US-08-466-680B-31	Sequence 31, Appl
45	15	3.6	15	3	US-08-466-680B-32	Sequence 32, Appl

ALIGNMENTS

RESULT 1
US-09-630-155-2
; Sequence 2, Application US/09630155
; Patent No. 6414130
GENERAL INFORMATION:
APPLICANT: Doherty, Toni Kristin and Gail M. Clinton
TITLE OF INVENTION: HER-2 BINDING ANTAGONISTS
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESSES:
ADDRESSEE: DAVIS WRIGHT TREMAINE LLP
STREET: 1501 Fourth Avenue, 2600 Century Square
CITY: Seattle
STATE: Washington
COUNTRY: U.S.A.
ZIP: 98101
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: PC compatible
OPERATING SYSTEM: Windows95
SOFTWARE: Word
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/630,155
FILING DATE: 16-Jan-2001
CLASSIFICATION: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Davison, Barry L.
REGISTRATION NUMBER: 47,309
REFERENCE/DOCKET NUMBER: 49321-10
TELECOMMUNICATION INFORMATION:
TELEPHONE: 206 628-7621
TELEFAX: 206 628-7699
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 419
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: unknown
MOLECULE TYPE: polypeptide
SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-630-155-2
Query Match 100.0%; Score 419; DB 4; Length 419;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 419; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MELAALCRWGLLALPPGASTOVCTGCTMKRLPASPTHLDMLSHLYOGCCVQVGNL 60
DB 1 MELAALCRWGLLALPPGASTOVCTGCTMKRLPASPTHLDMLSHLYOGCCVQVGNL 60
QY 61 ELTYLPTNASSLFLQDIOEVGVYLIAHNGVRQVPLQRLRIVRGTQLFEDNYALAVLDNG 120

Db 61 ELTYLPTNASISFLDIOEVQGVYLIANQVROVPLQRLIRVGTQLFEDNYALAVLDNG 120
QY 121 DPLNNTTPTVGTASPGGLRELOLRSLTEILKGVLIOBNPOLCYODTILMKDI FHKNNOLA 180
Db 121 DPLNNTTPTVGTASPGGLRELOLRSLTEILKGVLIOBNPOLCYODTILMKDI FHKNNOLA 180
QY 181 LTLIDTNRSRACHPCSPMKSGSRGWCSESSDCOSLTRTVGAGCARCKGRLPTDCHEQC 240
Db 181 LTLIDTNRSRACHPCSPMKSGSRGWCSESSDCOSLTRTVGAGCARCKGRLPTDCHEQC 240
QY 241 AAGCTGPKHSDCLACIHFHNSGICELHCPALVTYNTDTFESMPNPEGRTYTGASCVTACP 300
Db 241 AAGCTGPKHSDCLACIHFHNSGICELHCPALVTYNTDTFESMPNPEGRTYTGASCVTACP 300
QY 301 YNYLSTDVSGCTLVCPILHNOEVTAEADGTORCEKSKPCAR 360
Db 301 YNYLSTDVSGCTLVCPILHNOEVTAEADGTORCEKSKPCAR 360
QY 361 GPAHPVLSFLRPSWDIVSAFYSLPLAPLSPTSVPIPSVVGGRGPPDAHVAVNLRYEG 419
Db 361 GPAHPVLSFLRPSWDIVSAFYSLPLAPLSPTSVPIPSVVGGRGPPDAHVAVNLRYEG 419

RESULT 2

US-09-146-283-4
; Sequence 4, Application US/09146283
; Patent No. 5976546
; GENERAL INFORMATION:
; APPLICANT: Laus, Reiner
; APPLICANT: Ruegg, Curtis L.
; APPLICANT: Wu, Hongyu
; TITLE OF INVENTION: Immunostimulatory Compositions
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dehlinger & Associates
; STREET: 350 Cambridge Ave. Suite 250
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94306
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/146,283
; FILING DATE: 03-SEPT-1998
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Judge, Linda R.
; REGISTRATION NUMBER: 42,702
; REFERENCE/DOCKET NUMBER: 7636-0010.21
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-324-0880
; TELEFAX: 650-324-0960
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 782 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: NO
; ORIGINAL SOURCE:
; ORGANISM: homo sapiens
; INDIVIDUAL ISOLATE: GM-CSF-Her-2 fusion protein; Fig. 8
US-09-146-283-4

Query Match 81.1%; Score 340; DB 2; Length 782;
Best Local Similarity 100.0%; Pred. No. 1.1e-316; Indels 0; Gaps 0;
Matches 340; Conservative 0; Mismatches 0;

QY 1 MELAALCRMGILLALLPPGAASTVCTGTDMKRLPASPETHLDMRLHYOGCCVOGNTL 60
Db 1 MELAALCRMGILLALLPPGAASTVCTGTDMKRLPASPETHLDMRLHYOGCCVOGNTL 60
QY 61 ELTYLPTNASISFLDIOEVQGVYLIANQVROVPLQRLIRVGTQLFEDNYALAVLDNG 120
Db 61 ELTYLPTNASISFLDIOEVQGVYLIANQVROVPLQRLIRVGTQLFEDNYALAVLDNG 120
QY 121 DPLNNTTPTVGTASPGGLRELOLRSLTEILKGVLIOBNPOLCYODTILMKDI FHKNNOLA 180
Db 121 DPLNNTTPTVGTASPGGLRELOLRSLTEILKGVLIOBNPOLCYODTILMKDI FHKNNOLA 180
QY 181 LTLIDTNRSRACHPCSPMKSGSRGWCSESSDCOSLTRTVGAGCARCKGRLPTDCHEQC 240
Db 181 LTLIDTNRSRACHPCSPMKSGSRGWCSESSDCOSLTRTVGAGCARCKGRLPTDCHEQC 240
QY 241 AAGCTGPKHSDCLACIHFHNSGICELHCPALVTYNTDTFESMPNPEGRTYTGASCVTACP 300
Db 241 AAGCTGPKHSDCLACIHFHNSGICELHCPALVTYNTDTFESMPNPEGRTYTGASCVTACP 300
QY 301 YNYLSTDVSGCTLVCPILHNOEVTAEADGTORCEKSKPCAR 340
Db 301 YNYLSTDVSGCTLVCPILHNOEVTAEADGTORCEKSKPCAR 340

RESULT 3

US-08-579-823A-4
; Sequence 4, Application US/08579823A
; Patent No. 6080409
; GENERAL INFORMATION:
; APPLICANT: Laus, Reiner
; APPLICANT: Ruegg, Curtis L.
; APPLICANT: Wu, Hongyu
; TITLE OF INVENTION: Immunostimulatory Composition and Method
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dehlinger & Associates
; STREET: 350 Cambridge Ave. Suite 250
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94306
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/579,823A
; FILING DATE: 03-DEC-1998
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Judge, Linda R.
; REGISTRATION NUMBER: 42,702
; REFERENCE/DOCKET NUMBER: 7636-0010
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-324-0880
; TELEFAX: 650-324-0960
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 782 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: NO
; ORIGINAL SOURCE:
; ORGANISM: homo sapiens
; INDIVIDUAL ISOLATE: GM-CSF-Her-2 fusion protein; Fig. 8
US-08-579-823A-4

Query Match 81.1%; Score 340; DB 3; Length 782;
Best Local Similarity 100.0%; Pred. No. 1.1e-316; Indels 0; Gaps 0;
Matches 340; Conservative 0; Mismatches 0;

QY 1 MELAALCRWGLLALLPPGAASVCTGTDMKRLPASPETHLMDLRHLYGCGVQGNL 60
DB 1 MELAALCRWGLLALLPPGAASVCTGTDMKRLPASPETHLMDLRHLYGCGVQGNL 60
QY 61 ELTYLPTNASLSFLDIOEVQGYVLIANQVROVPLQRLRVGTOLPEDNYALAVLDNG 120
DB 61 ELTYLPTNASLSFLDIOEVQGYVLIANQVROVPLQRLRVGTOLPEDNYALAVLDNG 120
QY 121 DPLNNTTPTVGTASPGGLRELOLRSLTEILKGGVLIQRPOLCYODTILMKDI FHKNNOLA 180
DB 121 DPLNNTTPTVGTASPGGLRELOLRSLTEILKGGVLIQRPOLCYODTILMKDI FHKNNOLA 180
QY 181 LTLIDTNSRACHPCSPMCKSGRCWGESSEDCOSLTRVCAGGACARCKGPLPTDCHEQC 240
DB 181 LTLIDTNSRACHPCSPMCKSGRCWGESSEDCOSLTRVCAGGACARCKGPLPTDCHEQC 240
QY 241 AAGCTGPKHSDDLACLFHNSGICELHCPALVTYNTDFESMPNDEGRYTFGASCVTACP 300
DB 241 AAGCTGPKHSDDLACLFHNSGICELHCPALVTYNTDFESMPNDEGRYTFGASCVTACP 300
QY 301 YNYLSTDVGSCTLVCPHNOEVTAEADGTORCEKSKPCAR 340
DB 301 YNYLSTDVGSCTLVCPHNOEVTAEADGTORCEKSKPCAR 340

RESULT 4

US-09-344-195-4
Sequence 4, Application US/09344195
Patent No. 6210662

GENERAL INFORMATION:
APPLICANT: Laus, Reiner
Ruegg, Curtis L.
Wu, Hongyu

TITLE OF INVENTION: Immunostimulatory Compositions
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:

ADDRESSEE: Dehlinger & Associates
STREET: 350 Cambridge Ave. Suite 250
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94306

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/344,195
FILING DATE: 24-Jun-1999
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/146,283
FILING DATE: 03-SEPT-1998

ATTORNEY/AGENT INFORMATION:
NAME: Judge, Linda R.
REGISTRATION NUMBER: 42,702

REFERENCE/DOCKET NUMBER: 7636-0010.21
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-324-0880
TELEFAX: 650-324-0960

INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 782 amino acids
TYPE: amino acid

MOLECULE TYPE: linear
HYPOTHETICAL: NO
ORIGINAL SOURCE:

ORGANISM: homo sapiens
INDIVIDUAL ISOLATE: GM-CSF-Her-2 fusion protein, Fig. 8
SEQUENCE DESCRIPTION: SEQ ID NO: 4:

US-09-344-195-4

Query Match 81.1%; Score 340; DB 3; Length 782;
Best Local Similarity 100.0%; Pred. No. 1,1e-316;
Matches 340; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MELAALCRWGLLALLPPGAASVCTGTDMKRLPASPETHLMDLRHLYGCGVQGNL 60
DB 1 MELAALCRWGLLALLPPGAASVCTGTDMKRLPASPETHLMDLRHLYGCGVQGNL 60
QY 61 ELTYLPTNASLSFLDIOEVQGYVLIANQVROVPLQRLRVGTOLPEDNYALAVLDNG 120
DB 61 ELTYLPTNASLSFLDIOEVQGYVLIANQVROVPLQRLRVGTOLPEDNYALAVLDNG 120
QY 121 DPLNNTTPTVGTASPGGLRELOLRSLTEILKGGVLIQRPOLCYODTILMKDI FHKNNOLA 180
DB 121 DPLNNTTPTVGTASPGGLRELOLRSLTEILKGGVLIQRPOLCYODTILMKDI FHKNNOLA 180
QY 181 LTLIDTNSRACHPCSPMCKSGRCWGESSEDCOSLTRVCAGGACARCKGPLPTDCHEQC 240
DB 181 LTLIDTNSRACHPCSPMCKSGRCWGESSEDCOSLTRVCAGGACARCKGPLPTDCHEQC 240
QY 241 AAGCTGPKHSDDLACLFHNSGICELHCPALVTYNTDFESMPNDEGRYTFGASCVTACP 300
DB 241 AAGCTGPKHSDDLACLFHNSGICELHCPALVTYNTDFESMPNDEGRYTFGASCVTACP 300
QY 301 YNYLSTDVGSCTLVCPHNOEVTAEADGTORCEKSKPCAR 340
DB 301 YNYLSTDVGSCTLVCPHNOEVTAEADGTORCEKSKPCAR 340

RESULT 5

US-08-467-083-68
Sequence 68, Application US/08467083
Patent No. 5726023

GENERAL INFORMATION:
APPLICANT: Cheever, Martin A.
Applicant: Disis, Mary L.

TITLE OF INVENTION: IMMUNE REACTIVITY TO HER-2/NEU PROTEIN
FOR DIAGNOSIS AND TREATMENT OF MALIGNANCIES IN WHICH THE
NUMBER OF SEQUENCES: 68
CORRESPONDENCE ADDRESS:

ADDRESSEE: Seed and Berry,
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: US
ZIP: 98104-7092

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,083
FILING DATE: 06-JUN-1995
CLASSIFICATION: 424

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/414,417
FILING DATE: 06-JUN-1995

ATTORNEY/AGENT INFORMATION:
NAME: Sharkey, Richard G.
REGISTRATION NUMBER: 32,629

REFERENCE/DOCKET NUMBER: 920010.448C2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 682-4900
TELEFAX: (206) 682-6031
TELEX: 3723836 SREDANBERY

INFORMATION FOR SEQ ID NO: 68:
SEQUENCE CHARACTERISTICS:
LENGTH: 1255 amino acids
TYPE: amino acid

TOPOLOGY: linear
US-08-467-083-68

Query Match 81.1%; Score 340; DB 1; Length 1255;
Best Local Similarity 100.0%; Pred. No. 1.8e-316;
Matches 340; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MELAALCRWGLLALILPPGASASTOVCTGDMKRLPASPETHLMDLRHLYOGCOVVOGNTL 60
DB 1 MELAALCRWGLLALILPPGASASTOVCTGDMKRLPASPETHLMDLRHLYOGCOVVOGNTL 60
QY 61 ELTYLPTNASLSFLDIOIEVOGVYLIANQVROVPLQRLRYRGTOLEFEDNYALAVLDNG 120
DB 61 ELTYLPTNASLSFLDIOIEVOGVYLIANQVROVPLQRLRYRGTOLEFEDNYALAVLDNG 120
QY 121 DPLNNTTPTVGTASPGGLRELOLRSLTEILKGVLIQRNPOLCYODTILMKDIFHKNNOLA 180
DB 121 DPLNNTTPTVGTASPGGLRELOLRSLTEILKGVLIQRNPOLCYODTILMKDIFHKNNOLA 180
QY 181 LTLIDTNRSRACHPCSPMCKSGRCWGESSEDCQSLTRTVCAAGGACRCKGPLPTDCHEQC 240
DB 181 LTLIDTNRSRACHPCSPMCKSGRCWGESSEDCQSLTRTVCAAGGACRCKGPLPTDCHEQC 240
QY 241 AAGCTGPRKSDCLACIHFHNSGICELHCPALVTYNTDTFESMPNPEGRTTFGASCVTACP 300
DB 241 AAGCTGPRKSDCLACIHFHNSGICELHCPALVTYNTDTFESMPNPEGRTTFGASCVTACP 300
QY 301 YNYLSTDVGSCTLVCPHLNQEVTAEADGTORCEKSKPCAR 340
DB 301 YNYLSTDVGSCTLVCPHLNQEVTAEADGTORCEKSKPCAR 340

RESULT 6
US-08-414-417B-68

Sequence 68, Application US/08414417B
Patent No. 5801005

GENERAL INFORMATION:
APPLICANT: Cheever, Martin A.
APPLICANT: Disis, Mary L.
TITLE OF INVENTION: IMMUNE REACTIVITY TO HER-2/neu PROTEIN
TITLE OF INVENTION: FOR DIAGNOSIS AND TREATMENT OF MALIGNANCIES IN WHICH THE
TITLE OF INVENTION: HER-2/neu ONCOGENE IS ASSOCIATED
NUMBER OF SEQUENCES: 69
CORRESPONDENCE ADDRESS:
ADDRESSEE: Seed and Berry LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: US
ZIP: 98104-7092

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/414,417B
FILING DATE: 31-MAR-1995
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Sharkey, Richard G.
REGISTRATION NUMBER: 32,629
REFERENCE/DOCKET NUMBER: 920010.448C2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031

INFORMATION FOR SEQ ID NO: 68:
SEQUENCE CHARACTERISTICS:
LENGTH: 1255 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-414-417B-68

Query Match 81.1%; Score 340; DB 1; Length 1255;
Best Local Similarity 100.0%; Pred. No. 1.8e-316;
Matches 340; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MELAALCRWGLLALILPPGASASTOVCTGDMKRLPASPETHLMDLRHLYOGCOVVOGNTL 60
DB 1 MELAALCRWGLLALILPPGASASTOVCTGDMKRLPASPETHLMDLRHLYOGCOVVOGNTL 60
QY 61 ELTYLPTNASLSFLDIOIEVOGVYLIANQVROVPLQRLRYRGTOLEFEDNYALAVLDNG 120
DB 61 ELTYLPTNASLSFLDIOIEVOGVYLIANQVROVPLQRLRYRGTOLEFEDNYALAVLDNG 120
QY 121 DPLNNTTPTVGTASPGGLRELOLRSLTEILKGVLIQRNPOLCYODTILMKDIFHKNNOLA 180
DB 121 DPLNNTTPTVGTASPGGLRELOLRSLTEILKGVLIQRNPOLCYODTILMKDIFHKNNOLA 180
QY 181 LTLIDTNRSRACHPCSPMCKSGRCWGESSEDCQSLTRTVCAAGGACRCKGPLPTDCHEQC 240
DB 181 LTLIDTNRSRACHPCSPMCKSGRCWGESSEDCQSLTRTVCAAGGACRCKGPLPTDCHEQC 240
QY 241 AAGCTGPRKSDCLACIHFHNSGICELHCPALVTYNTDTFESMPNPEGRTTFGASCVTACP 300
DB 241 AAGCTGPRKSDCLACIHFHNSGICELHCPALVTYNTDTFESMPNPEGRTTFGASCVTACP 300
QY 301 YNYLSTDVGSCTLVCPHLNQEVTAEADGTORCEKSKPCAR 340
DB 301 YNYLSTDVGSCTLVCPHLNQEVTAEADGTORCEKSKPCAR 340

RESULT 7
US-08-484-438-8

Sequence 8, Application US/08484438
Patent No. 5811098
Patent No. 5811098 5780031

GENERAL INFORMATION:
APPLICANT: Plozman, Gregory D.
APPLICANT: Culouscou, Jean-Michel
APPLICANT: Shoyab, Mohammed
APPLICANT: Siegall, Clay B.
APPLICANT: Helicstr m, Ingegerd
APPLICANT: Helicstr m, Karl E.
TITLE OF INVENTION: HER4 HUMAN RECEPTOR TYROSINE KINASE
NUMBER OF SEQUENCES: 42
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036-2711

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/484,438
FILING DATE: 07-JUN-1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/323,442
FILING DATE: 14-OCT-1994
APPLICATION NUMBER: US 08/150,704
FILING DATE: 10-NOV-1993
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/981,165
FILING DATE: 24-NOV-1992
CLASSIFICATION: 530

ATTORNEY/AGENT INFORMATION:
NAME: Mistrock, S. Leslie
REGISTRATION NUMBER: 18,872
REFERENCE/DOCKET NUMBER: 5624-230

TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-8864/9741
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 1255 amino acids
TYPE: amino acid
STRANDEDNESS: unknown
TOPOLOGY: unknown
MOLECULE TYPE: protein
US-08-486-438-8

Query Match
Best Local Similarity 81.1%; Score 340; DB 2; Length 1255;
Pred. No. 1.8e-316;
Matches 340; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 METALCWMGLLALLPPGAASVCTGTDMLRLPASPEHLDMLRHLYGCGVQVQNL 60
DB 1 MELALCWMGLLALLPPGAASVCTGTDMLRLPASPEHLDMLRHLYGCGVQVQNL 60
QY 61 ELYLPTNASISFLDIOEVQGYVLIANOVROVPLQRLRIVRGTOLEFEDNYALAVLNG 120
DB 61 ELYLPTNASISFLDIOEVQGYVLIANOVROVPLQRLRIVRGTOLEFEDNYALAVLNG 120
QY 121 DPLNNTTPTVTGASPGGLRELQRLSLTEILKGGVLIQRNPOLCYOPTIIMKDIFFHKNOLA 180
DB 121 DPLNNTTPTVTGASPGGLRELQRLSLTEILKGGVLIQRNPOLCYOPTIIMKDIFFHKNOLA 180
QY 181 LTLIDTNSRACHPCSPMCKSGRCWGESSEDCOSLTRIVCAGGACRCGPLEPTDCCHQC 240
DB 181 LTLIDTNSRACHPCSPMCKSGRCWGESSEDCOSLTRIVCAGGACRCGPLEPTDCCHQC 240
QY 241 AAGCTGPHSDCLACLFHNSGICELHCPALVTNTDTFESMPNPEGRTTFCASCVTACP 300
DB 241 AAGCTGPHSDCLACLFHNSGICELHCPALVTNTDTFESMPNPEGRTTFCASCVTACP 300
QY 301 YNYLSTDVGSCTLVCPPLHNOEVTADGTQRCCKSKPCAR 340
DB 301 YNYLSTDVGSCTLVCPPLHNOEVTADGTQRCCKSKPCAR 340

RESULT 8
US-08-486-348A-68
Sequence 68, Application US/08486348A
Patent No. 5846538
GENERAL INFORMATION:
APPLICANT: Cheever, Martin A.
TITLE OF INVENTION: IMMUNE REACTIVITY TO HER-2/neu PROTEIN
TITLE OF INVENTION: FOR DIAGNOSIS AND TREATMENT OF MALIGNANCIES IN WHICH THE
NUMBER OF SEQUENCES: 69
CORRESPONDENCE ADDRESS:
ADDRESSEE: Seed and Berry LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: US
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/486.348A
FILING DATE: 07-JUN-1995
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Sharkey, Richard G.
REGISTRATION NUMBER: 32,629
REFERENCE/DOCKET NUMBER: 920010.448C6

TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 68:
SEQUENCE CHARACTERISTICS:
LENGTH: 1255 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-486-348A-68

Query Match
Best Local Similarity 81.1%; Score 340; DB 2; Length 1255;
Pred. No. 1.8e-316;
Matches 340; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 METALCWMGLLALLPPGAASVCTGTDMLRLPASPEHLDMLRHLYGCGVQVQNL 60
DB 1 MELALCWMGLLALLPPGAASVCTGTDMLRLPASPEHLDMLRHLYGCGVQVQNL 60
QY 61 ELYLPTNASISFLDIOEVQGYVLIANOVROVPLQRLRIVRGTOLEFEDNYALAVLNG 120
DB 61 ELYLPTNASISFLDIOEVQGYVLIANOVROVPLQRLRIVRGTOLEFEDNYALAVLNG 120
QY 121 DPLNNTTPTVTGASPGGLRELQRLSLTEILKGGVLIQRNPOLCYOPTIIMKDIFFHKNOLA 180
DB 121 DPLNNTTPTVTGASPGGLRELQRLSLTEILKGGVLIQRNPOLCYOPTIIMKDIFFHKNOLA 180
QY 181 LTLIDTNSRACHPCSPMCKSGRCWGESSEDCOSLTRIVCAGGACRCGPLEPTDCCHQC 240
DB 181 LTLIDTNSRACHPCSPMCKSGRCWGESSEDCOSLTRIVCAGGACRCGPLEPTDCCHQC 240
QY 241 AAGCTGPHSDCLACLFHNSGICELHCPALVTNTDTFESMPNPEGRTTFCASCVTACP 300
DB 241 AAGCTGPHSDCLACLFHNSGICELHCPALVTNTDTFESMPNPEGRTTFCASCVTACP 300
QY 301 YNYLSTDVGSCTLVCPPLHNOEVTADGTQRCCKSKPCAR 340
DB 301 YNYLSTDVGSCTLVCPPLHNOEVTADGTQRCCKSKPCAR 340

RESULT 9
US-08-625-101-2
Sequence 2, Application US/08625101
Patent No. 5869445
GENERAL INFORMATION:
APPLICANT: Cheever, Martin A.
TITLE OF INVENTION: COMPOUNDS FOR ELICITTING OR ENHANCING IMMUNE
TITLE OF INVENTION: REACTIVITY TO HER-2/neu PROTEIN FOR PREVENTION
TITLE OF INVENTION: OR TREATMENT OF MALIGNANCIES IN WHICH THE HER-2/neu
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: SEED AND BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: US
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/625.101
FILING DATE: 01-APR-1996
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Sharkey, Richard G.
REGISTRATION NUMBER: 32,629
REFERENCE/DOCKET NUMBER: 920010.448C7
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900

TELEFAX: (206) 682-6031
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1255 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-625-101-2

Query Match 81.1%; Score 340; DB 2; Length 1255;
 Best Local Similarity 100.0%; Pred. No. 1.8e-316;
 Matches 340; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MELALCWGILLALLPPGAASVQCTGDMKRLRPASPEHLDMLRHLVGGCCVQVQNTL 60
 DB 1 MELALCWGILLALLPPGAASVQCTGDMKRLRPASPEHLDMLRHLVGGCCVQVQNTL 60
 QY 61 ELYLPTNASLSFLDIOEVQGYVLIANQVRQVPLQRLIRVGTQLFEDNYALAVLNG 120
 DB 61 ELYLPTNASLSFLDIOEVQGYVLIANQVRQVPLQRLIRVGTQLFEDNYALAVLNG 120
 QY 121 DPLNNTTPTVGTASPGGLRELQRLSLTEILKGVLIQRNPOLCYODTILMKDIFHKNQOLA 180
 DB 121 DPLNNTTPTVGTASPGGLRELQRLSLTEILKGVLIQRNPOLCYODTILMKDIFHKNQOLA 180
 QY 181 LTLIDTNSRACHPCSPCKSGRCWGESSEDCOSLTRVCAGGACRCGRLPTDCCHQC 240
 DB 181 LTLIDTNSRACHPCSPCKSGRCWGESSEDCOSLTRVCAGGACRCGRLPTDCCHQC 240
 QY 241 AAGCTGPHGSDCLACHFNHSGICELHCPALVTYNTDFESMPNPEGRTFGASCVTACP 300
 DB 241 AAGCTGPHGSDCLACHFNHSGICELHCPALVTYNTDFESMPNPEGRTFGASCVTACP 300
 QY 301 YNYLSTDVSGCTLVCPHNOEVTAEADGTORCEKSKPCAR 340
 DB 301 YNYLSTDVSGCTLVCPHNOEVTAEADGTORCEKSKPCAR 340

RESULT 10

US-08-468-545B-68
 Sequence 68, Application US/08468545B
 Patent No. 5876712

GENERAL INFORMATION:
 APPLICANT: Cheever, Martin A.
 APPLICANT: Disis, Mary L.
 TITLE OF INVENTION: IMMUNE REACTIVITY TO HER-2/neu PROTEIN
 TITLE OF INVENTION: FOR DIAGNOSIS AND TREATMENT OF MALIGNANCIES IN WHICH THE
 NUMBER OF INVENTION: HER-2/neu ONCOGENE IS ASSOCIATED
 NUMBER OF SEQUENCES: 69
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Seed and Berry LLP
 STREET: 6300 Columbia Center, 701 Fifth Avenue
 CITY: Seattle
 STATE: Washington
 COUNTRY: US

ZIP: 98104-7092
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/468,545B
 FILING DATE: 06-JUN-1995

CLASSIFICATION: 424
 ATTORNEY/AGENT INFORMATION:
 NAME: Sharkey, Richard G.
 REGISTRATION NUMBER: 32,629
 REFERENCE/DOCKET NUMBER: 920010.448C5
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (206) 622-4900
 TELEFAX: (206) 682-6031
 INFORMATION FOR SEQ ID NO: 68:

SEQUENCE CHARACTERISTICS:
 LENGTH: 1255 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 US-08-468-545B-68

Query Match 81.1%; Score 340; DB 2; Length 1255;
 Best Local Similarity 100.0%; Pred. No. 1.8e-316;
 Matches 340; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MELALCWGILLALLPPGAASVQCTGDMKRLRPASPEHLDMLRHLVGGCCVQVQNTL 60
 DB 1 MELALCWGILLALLPPGAASVQCTGDMKRLRPASPEHLDMLRHLVGGCCVQVQNTL 60
 QY 61 ELYLPTNASLSFLDIOEVQGYVLIANQVRQVPLQRLIRVGTQLFEDNYALAVLNG 120
 DB 61 ELYLPTNASLSFLDIOEVQGYVLIANQVRQVPLQRLIRVGTQLFEDNYALAVLNG 120
 QY 121 DPLNNTTPTVGTASPGGLRELQRLSLTEILKGVLIQRNPOLCYODTILMKDIFHKNQOLA 180
 DB 121 DPLNNTTPTVGTASPGGLRELQRLSLTEILKGVLIQRNPOLCYODTILMKDIFHKNQOLA 180
 QY 181 LTLIDTNSRACHPCSPCKSGRCWGESSEDCOSLTRVCAGGACRCGRLPTDCCHQC 240
 DB 181 LTLIDTNSRACHPCSPCKSGRCWGESSEDCOSLTRVCAGGACRCGRLPTDCCHQC 240
 QY 241 AAGCTGPHGSDCLACHFNHSGICELHCPALVTYNTDFESMPNPEGRTFGASCVTACP 300
 DB 241 AAGCTGPHGSDCLACHFNHSGICELHCPALVTYNTDFESMPNPEGRTFGASCVTACP 300
 QY 301 YNYLSTDVSGCTLVCPHNOEVTAEADGTORCEKSKPCAR 340
 DB 301 YNYLSTDVSGCTLVCPHNOEVTAEADGTORCEKSKPCAR 340

RESULT 11

US-08-356-786-2
 Sequence 2, Application US/08356786
 Patent No. 5877305

GENERAL INFORMATION:
 APPLICANT: Huston, James S.
 APPLICANT: Oppermann, Hermann
 APPLICANT: Houston, L. L.
 APPLICANT: Ring, David B.
 TITLE OF INVENTION: Biosynthetic Binding Protein for Cancer
 TITLE OF INVENTION: Marker
 NUMBER OF SEQUENCES: 16
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Edmund R. Pitcher, Testa, Hurwitz, & Thibault
 STREET: Exchange Place, 53 State Street
 CITY: Boston
 STATE: Massachusetts
 COUNTRY: USA

ZIP: 02109
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible

SOFTWARE: Patent Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/356,786
 FILING DATE:

CLASSIFICATION: 424
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 07/831,967
 FILING DATE: 06-FEB-1992
 ATTORNEY/AGENT INFORMATION:
 NAME: Pitcher, Edmund R.
 REGISTRATION NUMBER: 27,829
 REFERENCE/DOCKET NUMBER: CRP-053
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 248-7000
 TELEFAX: (617) 248-7100

INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 1255 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-356-786-2

Query Match 81.1%; Score 340; DB 2; Length 1255;
Best Local Similarity 100.0%; Pred. No. 1.8e-316;
Matches 340; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MELALCRWGLLALLPPGAASSTVCTGDMKRLRPASPEHLMRLHYOGCQVVGNTL 60
DB 1 MELALCRWGLLALLPPGAASSTVCTGDMKRLRPASPEHLMRLHYOGCQVVGNTL 60
QY 61 ELTYLPTNASLSFLDIOEVGVYLIANQVRQVPLQRLIRVGTQLFEDNYALAVLDNG 120
DB 61 ELTYLPTNASLSFLDIOEVGVYLIANQVRQVPLQRLIRVGTQLFEDNYALAVLDNG 120
QY 121 DPLNNTTPVTGASPGGLREQLRLSLTEILKGVLIQRNPOLCYODTIIMKDI FHKNNOLA 180
DB 121 DPLNNTTPVTGASPGGLREQLRLSLTEILKGVLIQRNPOLCYODTIIMKDI FHKNNOLA 180
QY 181 LTLIDTNSRACHPCSPMKSGRCWGESSEDCQSLRTVCAGGACRCKGPLPTDCCHQC 240
DB 181 LTLIDTNSRACHPCSPMKSGRCWGESSEDCQSLRTVCAGGACRCKGPLPTDCCHQC 240
QY 241 AAGCTGPHSDCLACLFHNSGICELHCPALVTYNTDFESMPNDEGRYTFGASCVTACP 300
DB 241 AAGCTGPHSDCLACLFHNSGICELHCPALVTYNTDFESMPNDEGRYTFGASCVTACP 300
QY 301 YNYLSTDVSGCTLVCPLNQEVTAEDGTORCEKSKPCAR 340
DB 301 YNYLSTDVSGCTLVCPLNQEVTAEDGTORCEKSKPCAR 340

RESULT 12
US-08-466-680B-68
Sequence 68, Application US/08466680B
Patent No. 6075122
GENERAL INFORMATION:
APPLICANT: Cnoveer, Martin A.
APPLICANT: Disig, Mary L.
TITLE OF INVENTION: IMMUNE REACTIVITY TO HER-2/neu PROTEIN
TITLE OF INVENTION: FOR DIAGNOSIS AND TREATMENT OF MALIGNANCIES IN WHICH THE
NUMBER OF SEQUENCES: 69
CORRESPONDENCE ADDRESS:
ADDRESSEE: Seed and Berry LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: US
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/466,680B
FILING DATE: 06-JUN-1995
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Sharkey, Richard G.
REGISTRATION NUMBER: 32,629
REFERENCE/DOCKET NUMBER: 920010.448C4
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 68:
SEQUENCE CHARACTERISTICS:

LENGTH: 1255 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-466-680B-68

Query Match 81.1%; Score 340; DB 3; Length 1255;
Best Local Similarity 100.0%; Pred. No. 1.8e-316;
Matches 340; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MELALCRWGLLALLPPGAASSTVCTGDMKRLRPASPEHLMRLHYOGCQVVGNTL 60
DB 1 MELALCRWGLLALLPPGAASSTVCTGDMKRLRPASPEHLMRLHYOGCQVVGNTL 60
QY 61 ELTYLPTNASLSFLDIOEVGVYLIANQVRQVPLQRLIRVGTQLFEDNYALAVLDNG 120
DB 61 ELTYLPTNASLSFLDIOEVGVYLIANQVRQVPLQRLIRVGTQLFEDNYALAVLDNG 120
QY 121 DPLNNTTPVTGASPGGLREQLRLSLTEILKGVLIQRNPOLCYODTIIMKDI FHKNNOLA 180
DB 121 DPLNNTTPVTGASPGGLREQLRLSLTEILKGVLIQRNPOLCYODTIIMKDI FHKNNOLA 180
QY 181 LTLIDTNSRACHPCSPMKSGRCWGESSEDCQSLRTVCAGGACRCKGPLPTDCCHQC 240
DB 181 LTLIDTNSRACHPCSPMKSGRCWGESSEDCQSLRTVCAGGACRCKGPLPTDCCHQC 240
QY 241 AAGCTGPHSDCLACLFHNSGICELHCPALVTYNTDFESMPNDEGRYTFGASCVTACP 300
DB 241 AAGCTGPHSDCLACLFHNSGICELHCPALVTYNTDFESMPNDEGRYTFGASCVTACP 300
QY 301 YNYLSTDVSGCTLVCPLNQEVTAEDGTORCEKSKPCAR 340
DB 301 YNYLSTDVSGCTLVCPLNQEVTAEDGTORCEKSKPCAR 340

RESULT 13
US-09-527-487-2
Sequence 2, Application US/09527487
Patent No. 6528060
GENERAL INFORMATION:
APPLICANT: Nicolette, Charles
TITLE OF INVENTION: HER2 ANTIGENIC PEPTIDES
FILE REFERENCE: 126881309200
CURRENT APPLICATION NUMBER: US/09/527,487
CURRENT FILING DATE: 2000-03-16
NUMBER OF SEQ ID NOS: 9
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 2
LENGTH: 1255
TYPE: PRT
ORGANISM: Homo sapiens
US-09-527-487-2

Query Match 81.1%; Score 340; DB 4; Length 1255;
Best Local Similarity 100.0%; Pred. No. 1.8e-316;
Matches 340; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MELALCRWGLLALLPPGAASSTVCTGDMKRLRPASPEHLMRLHYOGCQVVGNTL 60
DB 1 MELALCRWGLLALLPPGAASSTVCTGDMKRLRPASPEHLMRLHYOGCQVVGNTL 60
QY 61 ELTYLPTNASLSFLDIOEVGVYLIANQVRQVPLQRLIRVGTQLFEDNYALAVLDNG 120
DB 61 ELTYLPTNASLSFLDIOEVGVYLIANQVRQVPLQRLIRVGTQLFEDNYALAVLDNG 120
QY 121 DPLNNTTPVTGASPGGLREQLRLSLTEILKGVLIQRNPOLCYODTIIMKDI FHKNNOLA 180
DB 121 DPLNNTTPVTGASPGGLREQLRLSLTEILKGVLIQRNPOLCYODTIIMKDI FHKNNOLA 180
QY 181 LTLIDTNSRACHPCSPMKSGRCWGESSEDCQSLRTVCAGGACRCKGPLPTDCCHQC 240
DB 181 LTLIDTNSRACHPCSPMKSGRCWGESSEDCQSLRTVCAGGACRCKGPLPTDCCHQC 240
QY 241 AAGCTGPHSDCLACLFHNSGICELHCPALVTYNTDFESMPNDEGRYTFGASCVTACP 300

Db 241 AAGCTGPKHSDCLACIHFHNSGICELHCPALVTYNTDFESMPNPEGRTFGASCVTACP 300
QY 301 YNYLSTDVSGCTLVNCPILHNOEVTARDGTORCEKSKPCAR 340
Db 301 YNYLSTDVSGCTLVNCPILHNOEVTARDGTORCEKSKPCAR 340

RESULT 14

US-08-422-108-1
; Sequence 1, Application US/08422108
; Patent No. 6015567
; GENERAL INFORMATION:
; APPLICANT: Hudziak, Robert M.
; APPLICANT: Shepard, H. Michael
; APPLICANT: Ulrich, Axel
; TITLE OF INVENTION: HER2 EXTRACELLULAR DOMAIN
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WinPatIn (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/422,108
; FILING DATE: 14-Apr-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/355460
; FILING DATE: 13-DEC-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/048346
; FILING DATE: 15-APR-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/354319
; FILING DATE: 19-MAY-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Lee, Wendy M
; REGISTRATION NUMBER: 00,000
; REFERENCE/DOCKET NUMBER: 554C2D2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-1994
; TELEFAX: 415/952-9881
; TELEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 624 amino acids
; TYPE: Amino Acid
; TOPOLOGY: Linear
US-08-422-108-1

Query Match 76.1%; Score 319; DB 3; Length 624;
Best Local Similarity 100.0%; Pred. No. 1.1e-296;
Matches 319; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Db 22 STVCTGTGDMKRLRPASPEHLDMLRHLVYGGCQVVGSLLETLYLPTNASTSLFLDIOIEVQ 81
1 STVCTGTGDMKRLRPASPEHLDMLRHLVYGGCQVVGSLLETLYLPTNASTSLFLDIOIEVQ 60
QY 82 GVVLAHQVROVPLQRLRIVRGTOLEFDNVALAVLDNDPLNNTPTVGTASPGGLREIQ 141
61 GVVLAHQVROVPLQRLRIVRGTOLEFDNVALAVLDNDPLNNTPTVGTASPGGLREIQ 120
QY 142 LRSLEILKGVLIQNPOLCYQDTILWKDIFHKNNQALTLITDNRSAACPGSPMCKG 201
121 LRSLEILKGVLIQNPOLCYQDTILWKDIFHKNNQALTLITDNRSAACPGSPMCKG 180
Db

QY 202 SRCWGESSEDCQSILRTVACAGCARCKGPLPTDCHEOCAGCTGPKHSDCLACIHFHNS 261
Db 181 SRCWGESSEDCQSILRTVACAGCARCKGPLPTDCHEOCAGCTGPKHSDCLACIHFHNS 240
QY 262 GICELHCPALVTYNTDFESMPNPEGRTFGASCVTACPYNLSTDVSGCTLVCPILHNOE 321
Db 241 GICELHCPALVTYNTDFESMPNPEGRTFGASCVTACPYNLSTDVSGCTLVCPILHNOE 300
QY 322 VTAEEDGTORCEKSKPCAR 340
Db 301 VTAEEDGTORCEKSKPCAR 319

RESULT 15

US-08-422-734-1
; Sequence 1, Application US/08422734
; Patent No. 6333169
; GENERAL INFORMATION:
; APPLICANT: Hudziak, Robert M.
; APPLICANT: Shepard, H. Michael
; APPLICANT: Ulrich, Axel
; TITLE OF INVENTION: HER2 EXTRACELLULAR DOMAIN
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WinPatIn (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/422,734
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/422108
; FILING DATE: 14-Apr-1995
; APPLICATION NUMBER: 08/355460
; FILING DATE: 13-DEC-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/048346
; FILING DATE: 15-APR-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/354319
; FILING DATE: 19-MAY-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Lee, Wendy M
; REGISTRATION NUMBER: 00,000
; REFERENCE/DOCKET NUMBER: 554C2D1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-1994
; TELEFAX: 415/952-9881
; TELEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 624 amino acids
; TYPE: Amino Acid
; TOPOLOGY: Linear
US-08-422-734-1

Query Match 76.1%; Score 319; DB 4; Length 624;
Best Local Similarity 100.0%; Pred. No. 1.1e-296;
Matches 319; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 22 STVCTGTGDMKRLRPASPEHLDMLRHLVYGGCQVVGSLLETLYLPTNASTSLFLDIOIEVQ 81
1 STVCTGTGDMKRLRPASPEHLDMLRHLVYGGCQVVGSLLETLYLPTNASTSLFLDIOIEVQ 60
Db

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Qy 82 GYVLIAHNOVROVPLQRLRIVRGTOLEFEDNYALAVLDNGDPLNNTTPVTGASPGGLRELO 141
    |||||
Db 61 GYVLIAHNOVROVPLQRLRIVRGTOLEFEDNYALAVLDNGDPLNNTTPVTGASPGGLRELO 120
    |||||
Qy 142 LRSLTEILKGGVLIQBNPOLCYODTILMKDIFHKNNQALTLIDTNRSRACHPCSPMCKG 201
    |||||
Db 121 LRSLTEILKGGVLIQBNPOLCYODTILMKDIFHKNNQALTLIDTNRSRACHPCSPMCKG 180
    |||||
Qy 202 SRCWGESSEDCOSLIRTVACAGGCARCKGPLPTDCCHEOCAAGCTGPKHSDCLACLHFNS 261
    |||||
Db 181 SRCWGESSEDCOSLIRTVACAGGCARCKGPLPTDCCHEOCAAGCTGPKHSDCLACLHFNS 240
    |||||
Qy 262 GICELHCPALVTYNTDTFESMPNPEGRTYFGASCVTACPYNYLSTDVGSCTLVCPPLNQE 321
    |||||
Db 241 GICELHCPALVTYNTDTFESMPNPEGRTYFGASCVTACPYNYLSTDVGSCTLVCPPLNQE 300
    |||||
Qy 322 VTAEDGTQRCCKSKPCAR 340
    |||||
Db 301 VTAEDGTQRCCKSKPCAR 319
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Search completed: September 7, 2003, 08:58:20
Job time : 44.751 secs

